

**FACT SHEET
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0020940 (Major)

FACILITY NAME: Tampa City of - Howard F. Curren AWWTP

FACILITY LOCATION: 2700 Maritime Blvd, Tampa, FL 33605-6744
Hillsborough County

NAME OF PERMITTEE: City of Tampa - Wastewater Department

PERMIT WRITER: Astrid Flores Thiebaud

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0020940-019-DW1P

Application Submittal Date: May 22, 2015

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Municipal

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	96 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	96 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, three two-meter belt thickeners, three floating biological solids thickeners, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Residuals generated by this facility are heat dried to meet Class AA or Class A standards for distribution and marketing or are dewatered for land application as a Class B residual.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Surface Water Discharge D-001: An existing 96.0 MGD AADF flow discharge to Hillsborough Bay (Upper), Class III Marine waters, (WBID# 1558E) which is approximately 141 feet in length and discharges at a depth of approximately 29.1 feet. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-002: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 4.5 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-002 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-003: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 6.8 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-003 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Mixing zone: The permittee is granted a mixing zone for Dichlorobromomethane and Dibromochloromethane for the effluent discharge at Outfalls D-001, D-002 and D-003. The mixing zone for Dichlorobromomethane has a circular area of 1.0 meter radius, with a total surface area of 3.14 square meters, centered over the outfall(s). The mixing zone for Dibromochloromethane has a circular area of 1.17 meters radius, with a total surface area of 4.3 square meters, centered over the outfall(s).

REUSE:

Land Application R-001: An existing 6.0 MGD AADF permitted capacity slow-rate public access system (City of Tampa Public Access Reuse System) consisting of the City of Tampa service area as outlined on attachment VI on the permit application.

Industrial Reuse R-002: An existing 2.3 MGD AADF permitted capacity Part VII industrial reuse system providing Part III quality reclaimed water for use as cooling water and minor irrigation at the City of Tampa Reuse to Energy Facility (McKay Bay Facility). R-002 is located approximately at latitude 27°56' 56" N, longitude 82°25' 19" W.

Industrial Reuse R-003: An existing 4.32 MGD annual average daily flow permitted industrial reuse system (R-003) providing secondary treatment reclaimed water to a closed-loop system for heating purposes at Mosaic Fertilizer, LLC (Formerly CF Industries). R-003 is located approximately at latitude 27°55' 02" N, longitude 82°26' 14" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

- a. This facility does not have a new or expanded discharge to surface waters.
- b. The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.
- c. The following exceedances were noted during the previous permit cycle at Outfall D-001:

Date	Parameters	Value	Limit	Units
5/31/12	IC25 Statre 7day Chronic Ceriodaphnia	6.6	100	percent
10/31/12	IC25 Statre 7day Chronic Ceriodaphnia	19	100	percent
1/31/13	IC25 Statre 7day Chronic Ceriodaphnia	7.8	100	percent
10/31/13	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent

7/31/14	IC25 Statre 7day Chronic Ceriodaphnia	86	100	percent
10/31/14	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent
8/31/12	pH	6.4	6.5 (min)	s.u.
9/30/12	pH	6.3	6.5 (min)	s.u.
10/31/14	pH	6.3	6.5 (min)	s.u.
10/31/12	Total Recoverable Cooper	3.9	3.7	ug/L
1/31/13	Total Recoverable Cooper	4.4	3.7	ug/L
4/30/13	Total Recoverable Cooper	4.3	3.7	ug/L
11/30/13	Coliform, Fecal, % less than detection	63	75	percent
12/31/13	Coliform, Fecal	77	25	#/100mL
10/31/14	Coliform, Fecal	34	25	#/100mL
9/30/13	Chlorine, Total Residual	.1	0.01(max)	mg/L
8/31/14	Chlorine, Total Residual	.1	0.01(max)	mg/L
12/31/14	Chlorine, Total Residual	1	0.01(max)	mg/L
1/31/13	Chlorine, Total Residual	.12	1.0 (min)	mg/L
8/31/13	Chlorine, Total Residual	.01	1.0 (min)	mg/L
10/31/14	Chlorine, Total Residual	.19	1.0 (min)	mg/L
12/31/14	Chlorine, Total Residual	.87	1.0 (min)	mg/L
1/31/13	Chlorodibromomethane	42.3	39	ug/L
2/28/13	Chlorodibromomethane	42.8	39	ug/L
3/31/13	Chlorodibromomethane	44.7	39	ug/L
4/30/13	Chlorodibromomethane	45	39	ug/L
5/31/13	Chlorodibromomethane	43.5	39	ug/L
6/30/13	Chlorodibromomethane	43.1	39	ug/L
7/1/13	Chlorodibromomethane	43.1	39	ug/L
7/31/13	Chlorodibromomethane	44.5	39	ug/L
8/31/13	Chlorodibromomethane	46	39	ug/L
9/30/13	Chlorodibromomethane	44.3	39	ug/L
10/31/13	Chlorodibromomethane	47.3	39	ug/L
11/30/13	Chlorodibromomethane	49.3	39	ug/L
12/31/13	Chlorodibromomethane	49.7	39	ug/L
1/31/14	Chlorodibromomethane	49.3	39	ug/L
2/28/14	Chlorodibromomethane	49.1	39	ug/L
3/31/14	Chlorodibromomethane	47.8	39	ug/L
4/30/14	Chlorodibromomethane	46.8	39	ug/L
5/31/14	Chlorodibromomethane	45.6	39	ug/L

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

- a. This facility is authorized to discharge effluent from Outfall D-001 to Hillsborough Bay (Upper) and Outfalls D-002 and D-003 to Ybor City Drain based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (D-001)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-001)	MGD	Max	96.00	Annual Average	62-600.400(3)(b) FAC
Flow (D-002)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-002)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	403.086(4)(a)1. FS & 62-600.740(1)(b)2.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	403.086(4)(a)2. FS & 62-600.740(1)(b)2.a. FAC
Solids, Total Suspended	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
Solids, Total Suspended	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-600.440(5)(f)3. FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	403.086(4)(a)3. FS & 62-600.740(1)(b)2.a. FAC
Nitrogen, Total	mg/L	Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
Nitrogen, Total	mg/L	Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Nitrogen, Total	mg/L	Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	403.086(4) FS (Phosphorus waiver)
Phosphorus, Total (as P)	mg/L	Max	Report	Monthly Average	403.086(4) FS
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	403.086(4). FS
pH	s.u.	Min	6.5	Single Sample	62-600.445 & 62-302.530 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 & 62-302.530 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b) FAC
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	62-600.440(2) & 62-302.530 FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.00	Single Sample	62-302.533 FAC
Enterococci	#/100mL	Max	35	Monthly Geometric Mean	403.0885(2), FS
Enterococci	#/100mL	Max	276	Single Sample	403.0885(2), FS
Copper, Total Recoverable	ug/L	Max	3.7	Single Sample	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	33.00	Annual Average	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	39	Annual Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Nitrogen, Total	ton/yr	Max	319.8	Annual Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Nitrogen, Total	ton/yr	Max	213.2	5 Year Average	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC

- (1) Effluent limitations are based on a Level I WQBEL developed by District staff and available in the District permit files. Additionally, effluent limitations are based on Rule 62-302, F.A.C.-Class III Marine Standards, Rule 62-600, F.A.C. and 403.086, F.S
- (2) Advanced Wastewater Treatment with high-level disinfection is required by Section 403.086(1)(c), F.S., for discharged effluent from this facility.
- (3) This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.
- (4) The receiving waters (Hillsborough Bay (Upper), WBID 1558E, and Ybor City Drain, WBID 1584A) were considered during the numeric nutrient criteria (NNC) evaluation for this facility.
- (5) Ybor City Drain -WBID 1584A is on the EPA 303D list for Dissolved Oxygen (Nutrients), Fecal Coliform, Biochemical Oxygen Demand (BOD), and Chemical Oxygen Demand (COD). Additionally, WBIDs 1584A is on the FDEP verified impaired list for dissolved oxygen (nutrients) and Fecal Coliform.
- (6) The receiving stream (Hillsborough Bay (Upper), WBID 1558E) is on the EPA 303D list for dissolved oxygen (Nutrients). Additionally, WBID 1558E is on the FDEP verified impaired list for dissolved oxygen and nutrients.
- (7) The permit requires sampling for total nitrogen and total phosphorus, with permit limits that are established by Florida Statute (403.086, F.S.) and Rule 62-600.740, F.A.C. Total nitrogen and total phosphorus concentration limits remain the same as in the previous permit. There is no increase in permitted surface water discharge capacity for this facility, therefore no increase in nutrient loading is anticipated. Phosphorus is not a limiting nutrient for the receiving waters, therefore this facility qualifies for the phosphorus waiver under 403.086, F.S., and the phosphorus concentration limit is listed as report only.
- (8) Total Nitrogen loading limitations are based on the facility allocation in the Final Order Adopting Water Quality Based Effluent Limits (WQBEL) for Point Source Discharges to the Tampa Bay Watershed. The loading limits established by the WQBEL ensure compliance with the numeric nutrient criteria established for Tampa Bay in Rule 62-302.532, F.A.C. In accordance with the WQBEL, the five year average total nitrogen load shall not exceed 213.20 tons/year.
- (9) Tampa Bay is nitrogen-limited, therefore loading allocations in the WQBEL for Tampa Bay were established for Total Nitrogen only. Continued monitoring by the Department and the Tampa Bay Estuary program indicate the attainment of NNC in Tampa Bay.
- (10) This facility is required to conduct chronic toxicity testing for this discharge based on conditions carrying over from the previous permit
- (11) There is a statewide TMDL for mercury. The existing Industrial Pretreatment Plan incorporates the mercury minimization plan requirements of the statewide TMDL for mercury.
- (12) The exceedances of Dichlorobromomethane and Dibromochloromethane are currently being addressed through the consent order discussed further below. The facility has requested to revise the existing mixing zones, which has been included as a scheduled item.

b. This facility is authorized to direct reclaimed water to Reuse System R-001 and R-002, a slow-rate public access system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	6.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	2.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

This facility is authorized to direct reclaimed water to Reuse System R-003, an industrial reuse system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	4.32	Annual Average	62-600.400(3)(b); 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b); 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	62-610.652 & 62-600.740(1)(b)1.a. FAC
Solids, Total Suspended	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
Solids, Total Suspended	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC

Parameter	Units	Max /Min	Limit	Statistical Basis	Rationale
Solids, Total Suspended	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	62-610.510 & 62-600.440(4)(c)1. FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
Coliform, Fecal	#/100mL	Max	800	Single Sample	62-600.440(4)(c)4. FAC
Chlorine, Total Residual	mg/L	Max	0.5	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	96	Annual Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	3-Month Rolling Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0020940-015-DW1P and associated revisions FL0020940-016-DW1P, FL0020940-017-DW1P, and FL0020940-018-DW1P expires on November 23, 2015. The following items changed from the current permit:

- The facility requested to adjust the 12 month rolling total and the 5-year average of the yearly totals to 319.8 and 213.2 tons/year, respectively. This is consistent with the nitrogen load allocation for this facility in the Tampa Bay WQBEL.
- The facility requested to remove the Total Recoverable Nickel from the surface water monitoring requirements. The available data was entered into the reasonable assurance verification worksheet and the theoretical maximum sampling result was 56% of the parameter limit, therefore this parameter has been removed from the surface water sampling requirements.
- Reporting of ground water monitoring results for Specific Conductance, Dissolved Oxygen and Temperature were removed from the groundwater monitoring plan as these parameters are used to demonstrate sample stability. Therefore, these parameters are not required to be reported on the DMRs, however the field parameters are recorded on sampling field sheets for quality assurance and quality control purposes (QA/QC).

- d) The facility requested to remove three groundwater parameters from the permit monitoring requirements; Total Recoverable Cadmium, Total Recoverable Chromium, and Total Recoverable Lead. Removal of these three parameters was based on the Department evaluation of the data collected for 23 consecutive quarters from 06/01/09 to 12/31/14. The monitoring results for these metals were consistently below the regulatory limits for groundwater, therefore, the data was analyzed through the reasonable assurance verification worksheet (RAV). Based on the results of the RAV and best professional judgement, these parameters were removed from the groundwater monitoring plan.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be land applied, distributed and marketed, transferred to Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the Class A and Class B biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Coliform, Fecal	MPN/g	Max	1,000.0	Single Sample	62-640.600(1)(b) FAC
Coliform, Fecal	CFU/g	Max	2,000,000	Geometric Mean	62-640.600(1)(b) FAC
Temperature	°F	Min	Report	Weekly	40 CFR Part 503
Time	Days	Min	Report	Weekly	40 CFR Part 503
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(1)(b) FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Monitoring Frequency	All Parameters				62-640.650(3)(a)4. FAC
Pathogen and vector attraction reduction monitoring	All Parameters				62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the Class AA biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	41.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	39.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	1500.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	300.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	17.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	2800.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	62-640.600(1)(a) FAC
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	62-640.600(1)(a) FAC
Monitoring Frequency	All Parameters				62-640.650(3)(a)4. & .850(4)(c) FAC
Pathogen and vector attraction reduction monitoring	All Parameters				62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Distributed & Marketed in FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Distributed & Marketed outside FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C.

7. PERMIT SCHEDULES

Permit renewal information is contained in the permit schedule. A permit revision requirement is in the permit schedule for the dibromochloromethane mixing zone once the mixing zone plan of study is complete and approved by the Department.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This facility has entered into CO-14-0156, executed 06/12/2014, with the Department, which includes a schedule of compliance. The Consent Order addresses the exceedances of Dibromochloromethane (Chlorodibromomethane). The current permit limitation based on the existing mixing zone is an annual average of 39 ug/L. The Consent Order Interim Limit is 60 ug/L, annual average, for a period of twenty-four months. The Consent Order requires a mixing zone plan of study to assess the availability of mixing in the receiving waters to allow for adjustment of the permitted mixing zone size and effluent limitations.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	October 2015
Public Comment Period	Beginning: October 2015 Ending: November 2015
Notice of Permit Issuance	November 2015

13. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Astrid Flores Thiebaud
Engineer IV
Southwest District Office
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926
Telephone No.: (813) 470-5760



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
City of Tampa Wastewater Department

RESPONSIBLE OFFICIAL:
Mr. Eric Weiss, P.E., Director Wastewater Department
2545 Guy N. Verger Boulevard
Tampa, Florida 33605
(813) 274-8039
eric.weiss@tampagov.net

PERMIT NUMBER: FL0020940 (Major)
FILE NUMBER: FL0020940-019-DW1P/NR
EFFECTIVE DATE: DRAFT
EXPIRATION DATE: DRAFT

FACILITY:

City of Tampa - Howard F. Curren AWTP
2700 Maritime Blvd
Tampa, FL 33605-6744
Hillsborough County
Latitude: 27°55' 25.10" N Longitude: 82°26' 14.26" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, three two-meter belt thickeners, three floating biological solids thickeners, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Biosolids generated by this facility are heat dried to meet Class AA standards for distribution and marketing or are dewatered for land application as Class A or Class B biosolids.

REUSE OR DISPOSAL:

Pearce, Jennifer

From: SWD_Clerical (Shared Mailbox) <SWD_Clerical@dep.state.fl.us>
Sent: Wednesday, December 7, 2016 10:16 AM
To: eric.weiss@tampagov.net
Cc: SWD_Clerical (Shared Mailbox); Ammon, Pamela; R4NPDESPermits; Jeffrey.Hilton@tampagov.net; Dan.Vanderschuur@tampagov.net; Alhoms@epchc.org; Duggan, Michele; Peck, Erica; FloresThiebaud, Astrid; Monica Sudano
Subject: DEP Mail / FL0020940-020-DW1P-RM City of Tampa - Howard F. Curren AWTP

Below is a link to the above referenced document in OCULUS, the Department of Environmental Protection's electronic document management system.

[https://depeds.deps.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=38.543896.1\]&\[profile=Permitting_Authorization\]](https://depeds.deps.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=38.543896.1]&[profile=Permitting_Authorization])

To access the documents in OCULUS:

1. Click on the link to open OCULUS at the Login screen.
2. Click on PUBLIC OCULUS login to view the search results screen.
3. Click the select button next to view in the drop down menu to open the document and view the document in its native format. Most OCULUS documents are in .pdf format. Acrobat Reader is required to read the document. The free reader can be downloaded from <http://www.adobe.com/products/reader.html>.
4. Please note, use of the "preview" button could impact documents when viewing / downloading. It is recommended to use the "view" option from the drop down menu.

The Department of Environmental Protection is using electronic correspondence rather than paper mail to deliver documents faster while reducing costs and waste. Thank you for your assistance.

If you are interested in reviewing documents from the Department's Business portal, you can access the portal at <http://webapps.dep.state.fl.us/DepNexus/public/search-portal>.

Florida Department of Environmental Protection
Southwest District Office
SouthwestDistrict@dep.state.fl.us

PLEASE NOTE: Florida has a very broad public records law. Electronic communications regarding state business are public records available upon request. Your e-mail communications may therefore be subject to public disclosure.



From: SWD_Clerical (Shared Mailbox) <SWD_Clerical@dep.state.fl.us>
Sent: Thursday, October 27, 2016 12:47 PM
To: 'eric.weiss@tampagov.net'
Cc: R4NPDESPermits; 'Jeffrey.Hilton@tampagov.net'; 'Dan.Vanderschuur@tampagov.net'; 'Jim_Valade@fws.gov'; 'miles.croom@noaa.gov'; 'james.j.mcadams@usace.army.mil'; 'fwccconservationplanningservices@myfwc.com'; 'DCPPermits@deo.myflorida.com'; 'mrhart@dos.state.fl.us'; 'Alhoms@epchc.org'; Monica Sudano; Duggan, Michele; Peck, Erica; FloresThiebaud, Astrid; SWD_Clerical (Shared Mailbox); Ammon, Pamela
Subject: DEP Mail / SCI 4952 FL0020940-020-DW1P/RM - City of Tampa - Howard F. Curren
AWTP

Below is a link to the document in OCULUS, the Department of Environmental Protection's electronic document management system.

[https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=38.533980.1\]&\[profile=Permitting_Authorization\]](https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=38.533980.1]&[profile=Permitting_Authorization])

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4. Please note, use of the "preview" button could impact documents when viewing / downloading. It is recommended to use the "view" option from the drop down menu.

If you have any questions concerning the contents of the document, please contact Astrid Flores Thiebaud, CESCO at 813- 470-5760 or via e-mail at astrid.floresthiebaud@dep.state.fl.us.

The Department of Environmental Protection is using electronic correspondence rather than paper mail to deliver documents faster while reducing costs and waste. Thank you for your assistance.

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Florida Department of Environmental Protection
Southwest District Office

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Pearce, Jennifer

From: SWD_WF_Permitting (Shared Mailbox) <SWD_WF_Permitting@dep.state.fl.us>
Sent: Thursday, October 8, 2015 9:57 AM
To: Davis, Molly
Cc: Jacquelyn.Champion@dep.state.fl.us.; R4NPDESPermits; FloresThiebaud, Astrid;
SWD_Clerical (Shared Mailbox); SWD_WF_Permitting (Shared Mailbox)
Subject: Tampa City of - Howard F Curren AWWTP [FL0020940-019-DW1P-NR][NOD] SIC 4952
Attachments: Tampa City of_Howard F Curren FL0020940-019-DW1P-NR-NOD Permit Draft
+ Docs.pdf

Sent on behalf of Astrid Flores Thiebaud

Dear Ms. Davis:

Attached please find the above subject Document. In an effort to reduce costs and waste, our agency is moving to electronic rather than paper correspondence. While the Department still accepts hardcopy submittals, you are encouraged to submit as many documents as possible in Portable Document Format (PDF) by e-mail or alternatively on a compact disk. At this time, the Department is not accepting electronic payments for permit application fees or payments of penalties.

An electronic version of documents may be emailed to Astrid Flores Thiebaud@dep.state.fl.us or submitted on a compact disk. <mailto:Astrid.FloresThiebaud@dep.state.fl.us>

Where electronic submittal is either impossible or impractical, the Department will continue to process hard-copy submittals.

Sincerely,

Cynthia Craciun
Staff Assistant
Fl. Department of Environmental Protection
13051, N. Telecom Parkway
Temple Terrace FL- 33637



**FACT SHEET
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0020940 (Major)

FACILITY NAME: Tampa City of - Howard F. Curren AWWTP

FACILITY LOCATION: 2700 Maritime Blvd, Tampa, FL 33605-6744
Hillsborough County

NAME OF PERMITTEE: City of Tampa - Wastewater Department

PERMIT WRITER: Astrid Flores Thiebaud

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0020940-019-DW1P

Application Submittal Date: May 22, 2015

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Municipal

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	96 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	96 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, three two-meter belt thickeners, three floating biological solids thickeners, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Residuals generated by this facility are heat dried to meet Class AA or Class A standards for distribution and marketing or are dewatered for land application as a Class B residual.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Surface Water Discharge D-001: An existing 96.0 MGD AADF flow discharge to Hillsborough Bay (Upper), Class III Marine waters, (WBID# 1558E) which is approximately 141 feet in length and discharges at a depth of approximately 29.1 feet. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-002: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 4.5 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-002 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-003: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 6.8 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-003 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Mixing zone: The permittee is granted a mixing zone for Dichlorobromomethane and Dibromochloromethane for the effluent discharge at Outfalls D-001, D-002 and D-003. The mixing zone for Dichlorobromomethane has a circular area of 1.0 meter radius, with a total surface area of 3.14 square meters, centered over the outfall(s). The mixing zone for Dibromochloromethane has a circular area of 1.17 meters radius, with a total surface area of 4.3 square meters, centered over the outfall(s).

REUSE:

Land Application R-001: An existing 6.0 MGD AADF permitted capacity slow-rate public access system (City of Tampa Public Access Reuse System) consisting of the City of Tampa service area as outlined on attachment VI on the permit application.

Industrial Reuse R-002: An existing 2.3 MGD AADF permitted capacity Part VII industrial reuse system providing Part III quality reclaimed water for use as cooling water and minor irrigation at the City of Tampa Reuse to Energy Facility (McKay Bay Facility). R-002 is located approximately at latitude 27°56' 56" N, longitude 82°25' 19" W.

Industrial Reuse R-003: An existing 4.32 MGD annual average daily flow permitted industrial reuse system (R-003) providing secondary treatment reclaimed water to a closed-loop system for heating purposes at Mosaic Fertilizer, LLC (Formerly CF Industries). R-003 is located approximately at latitude 27°55' 02" N, longitude 82°26' 14" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

- a. This facility does not have a new or expanded discharge to surface waters.
- b. The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.
- c. The following exceedances were noted during the previous permit cycle at Outfall D-001:

Date	Parameters	Value	Limit	Units
5/31/12	IC25 Statre 7day Chronic Ceriodaphnia	6.6	100	percent
10/31/12	IC25 Statre 7day Chronic Ceriodaphnia	19	100	percent
1/31/13	IC25 Statre 7day Chronic Ceriodaphnia	7.8	100	percent
10/31/13	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent

7/31/14	IC25 Statre 7day Chronic Ceriodaphnia	86	100	percent
10/31/14	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent
8/31/12	pH	6.4	6.5 (min)	s.u.
9/30/12	pH	6.3	6.5 (min)	s.u.
10/31/14	pH	6.3	6.5 (min)	s.u.
10/31/12	Total Recoverable Cooper	3.9	3.7	ug/L
1/31/13	Total Recoverable Cooper	4.4	3.7	ug/L
4/30/13	Total Recoverable Cooper	4.3	3.7	ug/L
11/30/13	Coliform, Fecal, % less than detection	63	75	percent
12/31/13	Coliform, Fecal	77	25	#/100mL
10/31/14	Coliform, Fecal	34	25	#/100mL
9/30/13	Chlorine, Total Residual	.1	0.01(max)	mg/L
8/31/14	Chlorine, Total Residual	.1	0.01(max)	mg/L
12/31/14	Chlorine, Total Residual	1	0.01(max)	mg/L
1/31/13	Chlorine, Total Residual	.12	1.0 (min)	mg/L
8/31/13	Chlorine, Total Residual	.01	1.0 (min)	mg/L
10/31/14	Chlorine, Total Residual	.19	1.0 (min)	mg/L
12/31/14	Chlorine, Total Residual	.87	1.0 (min)	mg/L
1/31/13	Chlorodibromomethane	42.3	39	ug/L
2/28/13	Chlorodibromomethane	42.8	39	ug/L
3/31/13	Chlorodibromomethane	44.7	39	ug/L
4/30/13	Chlorodibromomethane	45	39	ug/L
5/31/13	Chlorodibromomethane	43.5	39	ug/L
6/30/13	Chlorodibromomethane	43.1	39	ug/L
7/1/13	Chlorodibromomethane	43.1	39	ug/L
7/31/13	Chlorodibromomethane	44.5	39	ug/L
8/31/13	Chlorodibromomethane	46	39	ug/L
9/30/13	Chlorodibromomethane	44.3	39	ug/L
10/31/13	Chlorodibromomethane	47.3	39	ug/L
11/30/13	Chlorodibromomethane	49.3	39	ug/L
12/31/13	Chlorodibromomethane	49.7	39	ug/L
1/31/14	Chlorodibromomethane	49.3	39	ug/L
2/28/14	Chlorodibromomethane	49.1	39	ug/L
3/31/14	Chlorodibromomethane	47.8	39	ug/L
4/30/14	Chlorodibromomethane	46.8	39	ug/L
5/31/14	Chlorodibromomethane	45.6	39	ug/L

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

- a. This facility is authorized to discharge effluent from Outfall D-001 to Hillsborough Bay (Upper) and Outfalls D-002 and D-003 to Ybor City Drain based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (D-001)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-001)	MGD	Max	96.00	Annual Average	62-600.400(3)(b) FAC
Flow (D-002)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-002)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	403.086(4)(a)1. FS & 62-600.740(1)(b)2.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	403.086(4)(a)2. FS & 62-600.740(1)(b)2.a. FAC
Solids, Total Suspended	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
Solids, Total Suspended	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-600.440(5)(f)3. FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	403.086(4)(a)3. FS & 62-600.740(1)(b)2.a. FAC
Nitrogen, Total	mg/L	Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
Nitrogen, Total	mg/L	Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Nitrogen, Total	mg/L	Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	403.086(4) FS (Phosphorus waiver)
Phosphorus, Total (as P)	mg/L	Max	Report	Monthly Average	403.086(4) FS
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	403.086(4). FS
pH	s.u.	Min	6.5	Single Sample	62-600.445 & 62-302.530 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 & 62-302.530 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b) FAC
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	62-600.440(2) & 62-302.530 FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.00	Single Sample	62-302.533 FAC
Enterococci	#/100mL	Max	35	Monthly Geometric Mean	403.0885(2), FS
Enterococci	#/100mL	Max	276	Single Sample	403.0885(2), FS
Copper, Total Recoverable	ug/L	Max	3.7	Single Sample	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	33.00	Annual Average	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	39	Annual Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Nitrogen, Total	ton/yr	Max	319.8	Annual Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Nitrogen, Total	ton/yr	Max	213.2	5 Year Average	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC

- (1) Effluent limitations are based on a Level I WQBEL developed by District staff and available in the District permit files. Additionally, effluent limitations are based on Rule 62-302, F.A.C.-Class III Marine Standards, Rule 62-600, F.A.C. and 403.086, F.S.
- (2) Advanced Wastewater Treatment with high-level disinfection is required by Section 403.086(1)(c), F.S., for discharged effluent from this facility.
- (3) This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.
- (4) The receiving waters (Hillsborough Bay (Upper), WBID 1558E, and Ybor City Drain, WBID 1584A) were considered during the numeric nutrient criteria (NNC) evaluation for this facility.
- (5) Ybor City Drain -WBID 1584A is on the EPA 303D list for Dissolved Oxygen (Nutrients), Fecal Coliform, Biochemical Oxygen Demand (BOD), and Chemical Oxygen Demand (COD). Additionally, WBIDs 1584A is on the FDEP verified impaired list for dissolved oxygen (nutrients) and Fecal Coliform.
- (6) The receiving stream (Hillsborough Bay (Upper), WBID 1558E) is on the EPA 303D list for dissolved oxygen (Nutrients). Additionally, WBID 1558E is on the FDEP verified impaired list for dissolved oxygen and nutrients.
- (7) The permit requires sampling for total nitrogen and total phosphorus, with permit limits that are established by Florida Statute (403.086, F.S.) and Rule 62-600.740, F.A.C. Total nitrogen and total phosphorus concentration limits remain the same as in the previous permit. There is no increase in permitted surface water discharge capacity for this facility, therefore no increase in nutrient loading is anticipated. Phosphorus is not a limiting nutrient for the receiving waters, therefore this facility qualifies for the phosphorus waiver under 403.086, F.S., and the phosphorus concentration limit is listed as report only.
- (8) Total Nitrogen loading limitations are based on the facility allocation in the Final Order Adopting Water Quality Based Effluent Limits (WQBEL) for Point Source Discharges to the Tampa Bay Watershed. The loading limits established by the WQBEL ensure compliance with the numeric nutrient criteria established for Tampa Bay in Rule 62-302.532, F.A.C. In accordance with the WQBEL, the five year average total nitrogen load shall not exceed 213.20 tons/year.
- (9) Tampa Bay is nitrogen-limited, therefore loading allocations in the WQBEL for Tampa Bay were established for Total Nitrogen only. Continued monitoring by the Department and the Tampa Bay Estuary program indicate the attainment of NNC in Tampa Bay.
- (10) This facility is required to conduct chronic toxicity testing for this discharge based on conditions carrying over from the previous permit
- (11) There is a statewide TMDL for mercury. The existing Industrial Pretreatment Plan incorporates the mercury minimization plan requirements of the statewide TMDL for mercury.
- (12) The exceedances of Dichlorobromomethane and Dibromochloromethane are currently being addressed through the consent order discussed further below. The facility has requested to revise the existing mixing zones, which has been included as a scheduled item.

b. This facility is authorized to direct reclaimed water to Reuse System R-001 and R-002, a slow-rate public access system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	6.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	2.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

This facility is authorized to direct reclaimed water to Reuse System R-003, an industrial reuse system, based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	4.32	Annual Average	62-600.400(3)(b); 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b); 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	62-610.652 & 62-600.740(1)(b)1.a. FAC
Solids, Total Suspended	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
Solids, Total Suspended	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC

Parameter	Units	Max /Min	Limit	Statistical Basis	Rationale
Solids, Total Suspended	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	62-610.510 & 62-600.440(4)(c)1. FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
Coliform, Fecal	#/100mL	Max	800	Single Sample	62-600.440(4)(c)4. FAC
Chlorine, Total Residual	mg/L	Max	0.5	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	96	Annual Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	3-Month Rolling Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0020940-015-DW1P and associated revisions FL0020940-016-DW1P, FL0020940-017-DW1P, and FL0020940-018-DW1P expires on November 23, 2015. The following items changed from the current permit:

- The facility requested to adjust the 12 month rolling total and the 5-year average of the yearly totals to 319.8 and 213.2 tons/year, respectively. This is consistent with the nitrogen load allocation for this facility in the Tampa Bay WQBEL.
- The facility requested to remove the Total Recoverable Nickel from the surface water monitoring requirements. The available data was entered into the reasonable assurance verification worksheet and the theoretical maximum sampling result was 56% of the parameter limit, therefore this parameter has been removed from the surface water sampling requirements.
- Reporting of ground water monitoring results for Specific Conductance, Dissolved Oxygen and Temperature were removed from the groundwater monitoring plan as these parameters are used to demonstrate sample stability. Therefore, these parameters are not required to be reported on the DMRs, however the field parameters are recorded on sampling field sheets for quality assurance and quality control purposes (QA/QC).

- d) The facility requested to remove three groundwater parameters from the permit monitoring requirements; Total Recoverable Cadmium, Total Recoverable Chromium, and Total Recoverable Lead. Removal of these three parameters was based on the Department evaluation of the data collected for 23 consecutive quarters from 06/01/09 to 12/31/14. The monitoring results for these metals were consistently below the regulatory limits for groundwater, therefore, the data was analyzed through the reasonable assurance verification worksheet (RAV). Based on the results of the RAV and best professional judgement, these parameters were removed from the groundwater monitoring plan.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be land applied, distributed and marketed, transferred to Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the Class A and Class B biosolids limits and monitoring requirements.

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Coliform, Fecal	MPN/g	Max	1,000.0	Single Sample	62-640.600(1)(b) FAC
Coliform, Fecal	CFU/g	Max	2,000,000	Geometric Mean	62-640.600(1)(b) FAC
Temperature	°F	Min	Report	Weekly	40 CFR Part 503
Time	Days	Min	Report	Weekly	40 CFR Part 503
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(1)(b) FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Monitoring Frequency				All Parameters	62-640.650(3)(a)4. FAC
Pathogen and vector attraction reduction monitoring				All Parameters	62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the Class AA biosolids limits and monitoring requirements.

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	41.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	39.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	1500.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	300.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	17.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	2800.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	62-640.600(1)(a) FAC
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	62-640.600(1)(a) FAC
Monitoring Frequency	All Parameters				62-640.650(3)(a)4. & .850(4)(c) FAC
Pathogen and vector attraction reduction monitoring	All Parameters				62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Distributed & Marketed in FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Distributed & Marketed outside FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C.

7. PERMIT SCHEDULES

Permit renewal information is contained in the permit schedule. A permit revision requirement is in the permit schedule for the dibromochloromethane mixing zone once the mixing zone plan of study is complete and approved by the Department.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This facility has entered into CO-14-0156, executed 06/12/2014, with the Department, which includes a schedule of compliance. The Consent Order addresses the exceedances of Dibromochloromethane (Chlorodibromomethane). The current permit limitation based on the existing mixing zone is an annual average of 39 ug/L. The Consent Order Interim Limit is 60 ug/L, annual average, for a period of twenty-four months. The Consent Order requires a mixing zone plan of study to assess the availability of mixing in the receiving waters to allow for adjustment of the permitted mixing zone size and effluent limitations.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	October 2015
Public Comment Period	Beginning: October 2015 Ending: November 2015
Notice of Permit Issuance	November 2015

13. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Astrid Flores Thiebaud
Engineer IV
Southwest District Office
13051 N Telecom Pkwy
Tempe Terrace, FL 33637-0926
Telephone No.: (813) 470-5760



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
City of Tampa Wastewater Department

RESPONSIBLE OFFICIAL:
Mr. Eric Weiss, P.E., Director Wastewater Department
2545 Guy N. Verger Boulevard
Tampa, Florida 33605
(813) 274-8039
eric.weiss@tampagov.net

PERMIT NUMBER: FL0020940 (Major)
FILE NUMBER: FL0020940-019-DW1P/NR
EFFECTIVE DATE: DRAFT
EXPIRATION DATE: DRAFT

FACILITY:

City of Tampa - Howard F. Curren AWTP
2700 Maritime Blvd
Tampa, FL 33605-6744
Hillsborough County
Latitude: 27°55' 25.10" N Longitude: 82°26' 14.26" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, three two-meter belt thickeners, three floating biological solids thickeners, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Biosolids generated by this facility are heat dried to meet Class AA standards for distribution and marketing or are dewatered for land application as Class A or Class B biosolids.

REUSE OR DISPOSAL:

www.dep.state.fl.us

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Surface Water Discharge D-001: An existing 96.0 MGD AADF discharge to Hillsborough Bay (Upper), Class III Marine waters, (WBID# 1558E) which is approximately 141 feet in length and discharges at a depth of approximately 29.1 feet. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-002: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 4.5 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-002 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-003: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 6.8 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-003 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Pursuant to Rule 62-4.244, F.A.C., the permittee is hereby granted a mixing zone for Dichlorobromomethane and Dibromochloromethane for the effluent discharge at Outfalls D-001, D-002 and D-003. The permittee's discharge shall not cause a violation of the Chapter 62-302, F.A.C., Class III Water Quality Standards outside the boundaries of the mixing zones described below.

The mixing zone for Dichlorobromomethane has a circular area of 1.0 meter radius, with a total surface area of 3.14 square meters, centered over the outfall(s). The mixing zone for Dibromochloromethane has a circular area of 1.17 meters radius, with a total surface area of 4.3 square meters, centered over the outfall(s). These mixing zones include the entire water column from the surface to the bottom and otherwise complies with the physical requirements of Rule 62-4.244, F.A.C. Parameter limits at the outfall(s) are as shown in Condition I.A.1., below.

REUSE:

Land Application R-001: An existing 6.0 MGD AADF permitted capacity slow-rate public access system (City of Tampa Public Access Reuse System) consisting of the City of Tampa service area as outlined on attachment VI on the permit application.

Industrial Reuse R-002: An existing 2.3 MGD AADF permitted capacity Part VII industrial reuse system providing Part III quality reclaimed water for use as cooling water and minor irrigation at the City of Tampa Refuse to Energy Facility (McKay Bay Facility). R-002 is located approximately at latitude 27°56' 56" N, longitude 82°25' 19" W.

Industrial Reuse R-003: An existing 4.32 MGD AADF permitted industrial reuse system providing secondary treatment reclaimed water to a closed-loop system for heating purposes at Mosaic Fertilizer, LLC (Formerly CF Industries). R-003 is located approximately at latitude 27° 55' 02" N, longitude 82° 26' 14" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 3 through 36 of this permit.

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001 to Hillsborough Bay (Upper). In addition, the permittee is authorized to discharge effluent from Outfalls D-002 and D-003 to Ybor City Drain and then to Hillsborough Bay (Upper). Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8. :

Parameter	Units	Max/Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report 96.00	Monthly Average Annual Average	Continuous	Recording Flow Meter with Totalizer	FLW-05	
Flow	MGD	Max Max	Report Report	Monthly Average Annual Average	Continuous	Recording Flow Meter with Totalizer	FLW-06	See I. A.4
Flow	MGD	Max Max	Report Report	Monthly Average Annual Average	Continuous	Recording Flow Meter with Totalizer	FLW-07	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	Monthly	Calculated	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max	6.25 7.5 10.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Monthly	Calculated	EFA-01	
Solids, Total Suspended	mg/L	Max Max Max	6.25 7.5 10.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	Grab	EFA-01	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Monthly	Grab	EFA-01	
Nitrogen, Total	mg/L	Max	3.0	Annual Average	Monthly	Calculated	EFA-01	
Nitrogen, Total	mg/L	Max Max Max	3.75 4.5 6.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	Monthly	Calculated	EFA-01	
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	24-hr FPC	EFA-01	
pH	s.u.	Min Max	6.5 8.5	Single Sample Single Sample	Continuous	Meter	EFD-01	See I.A.3

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Parameter	Units	Max/Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Monthly	Calculated	EFA-01	See I.A.5
Coliform, Fecal	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFA-01	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-01	See I.A.3 and I.A.6
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	Daily; 24 hours	Grab	EFD-01	
Oxygen, Dissolved (DO)	mg/L	Min	5.00	Single Sample	Daily; 24 hours	Grab	EFD-01	
Enterococci	#/100mL	Max Max	35 276	Monthly Geometric Mean Single Sample	5/Month	Grab	EFA-01	See I.A.7
Copper, Total Recoverable	ug/L	Max	3.7	Single Sample	Quarterly	24-hr FPC	EFD-01	
Dichlorobromomethane	ug/L	Max	33.00	Annual Average	Monthly	Calculated	EFD-01	
Dichlorobromomethane	ug/L	Max	Report	Monthly Average	Monthly	Grab	EFD-01	
Dibromochloromethane	ug/L	Max	39	Annual Average	Monthly	Calculated	EFD-01	
Dibromochloromethane	ug/L	Max	Report	Monthly Average	Monthly	Grab	EFD-01	
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	Monthly	Calculated	EFA-01	
Nitrogen, Total	ton/yr	Max	319.8	Annual Total	Monthly	Calculated	EFA-01	
Nitrogen, Total	ton/yr	Max	213.2	5 Year Average	Monthly	Calculated	EFA-01	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.8
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.8

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWWP

PA FILE NUMBER: FL0020940-019-DW1P/NR

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-05	Flow from D-001 to Hillsborough Bay (FLW-05 = FLW-04 – FLW-07 - FLW-06 – FLW-02 – FLW-01)
FLW-01	Flow to City of Tampa Public Access Reuse System - R-001
FLW-02	Flow to City of Tampa Refuse to Energy Facility (McKay Bay Facility) R-002
FLW-04	Total plant flow measured at the headworks
FLW-06	Flow from D-002 to Hillsborough Bay (metered)
FLW-07	Flow from D-003 to Hillsborough Bay (metered)
EFA-01	After disinfection and prior to discharge to R-001, R-002, and R-003
EFB-01	Turbidity and TSS monitoring point after filtration and prior to disinfection
EFD-01	After dechlorination and prior to discharge to Hillsborough Bay

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
5. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
6. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b), (5)(b), and (6)(b)]
7. The enterococci monthly geometric mean value shall be based on all samples of effluent collected during a period of 30 consecutive days (monthly); a minimum of 5 samples of effluent, each collected on nonconsecutive days, is required. [62-302.500(1)(a)6. and 40 CFR Part 131.41]
8. In accordance with the load allocations for the Tampa Bay Reasonable Assurance, the Total Maximum Daily Load for Total Nitrogen (TN) shall be calculated from the monthly average Total Nitrogen concentration. The Total Nitrogen loading shall be calculated as a twelve-month rolling total and shall not exceed 319.8 tons/year and the five year average of the yearly totals shall not exceed 213.20 tons/year.

Monthly Total (Mt)
$Mt = \frac{\text{Monthly Average Total Nitrogen Concentration, mg/l} \times \text{Total Monthly Flow, MG} \times 8.3454}{2000 \text{ lbs}}$
Mt = Tons/Month

The annual total shall be calculated as a 12-month rolling total based on the cumulative total of TN tons discharged during the reporting month plus the total of TN tons discharged during the preceding 11 consecutive months.

Annual Total (At)
Annual Total at the end of the n th Month: $At_n = Mt_{n-11} + Mt_{n-10} \dots Mt_n$

The 5-year rolling average shall be calculated as the cumulative total of TN tons discharged during the reporting month plus the total of TN tons discharged during the preceding 59 consecutive months, divided by 5.

5 Year Average of the Yearly Totals (5yr)
$5yr_n = (Mt_{n-59} + Mt_{n-58} \dots Mt_n) / 5$

9. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.
- a. Effluent Limitation
 - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) for reproduction or growth shall not be less than 100% effluent. [Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]
 - (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rule 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]
 - b. Monitoring Frequency
 - (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.
 - (2) Upon completion of four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above.
 - (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-013, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.
 - c. Sampling Requirements
 - (1) For each routine test or additional follow-up test conducted, a total of three flow proportional 24-hr composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
 - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
 - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
 - d. Test Requirements
 - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: 100%, 50%, 25%, 12.5%, and 6.25% final effluent.
 - (2) The permittee shall conduct a daphnid, *Ceriodaphnia dubia*, Survival and Reproduction Test and a fathead minnow, *Pimephales promelas*, Larval Survival and Growth Test, concurrently.
 - (3) All test species, procedures and quality assurance criteria used shall be in accordance with Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, 4th Edition, EPA-821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
 - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.
 - e. Quality Assurance Requirements
 - (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or the "test acceptability criteria" are not met, the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-013, Section 13.12 (*Ceriodaphnia dubia*) and Section 11.11 (*Pimephales promelas*). The repeat test shall begin within 21 days after the last day of the invalid test.
- (3) If 100% mortality occurs in all effluent concentrations for either test species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
- (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
 - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for reproduction or growth for each test species shall be entered on the DMR.
- (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-013, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-013, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection
Southwest District Office
13051 N Telecom Pkwy,
Temple Terrace, Florida 33637-0926
swd_dw@dep.state.fl.us

g. Test Failures

- (1) A test fails when the test results do not meet the limits in I.A.9.a.(1).
- (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the chronic toxicity limitation in I.A.9.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with I.A.9.d.
 - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
 - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-013.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
 - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
 - (b) The Department shall review and approve the plan before initiation.
 - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
 - (d) Progress reports shall be submitted quarterly to the Department at the address above.
 - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with I.A.9.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- routine and additional follow-up tests shall return to the schedule established in I.A.9.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
- (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in I.A.9.a.(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

B. Reuse and Land Application Systems

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse Systems R-001 and R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	6.0	Annual Average	Monthly	Calculated	FLW-01	
	MGD	Max	2.3	Annual Average	Monthly	Calculated	FLW-02	
Flow	MGD	Max	Report	Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-01	See I.A.4
	MGD	Max	Report	Monthly Average	Continuous		FLW-02	
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	Monthly	Calculated	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	Daily; 24 hours	24-hr FPC	EFA-01	
		Max	45.0	Weekly Average				
		Max	60.0	Single Sample				
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Daily; 24 hours	Grab	EFA-01	See I.B.4
pH	s.u.	Min	6.0	Single Sample	Continuous	Meter	EFD-01	See I.B.3
		Max	8.5	Single Sample				
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Monthly	Calculated	EFA-01	See I.B.4
Coliform, Fecal	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFA-01	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-01	See I.B.5 and I.B.8
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFA-01	See I.B.6 and I.B.8
Giardia	cysts/100L	Max	Report	Single Sample	Bi-annually; every 2 years	Grab	EFA-01	See I.B.9 See I.C.5
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Bi-annually; every 2 years	Grab	EFA-01	See I.B.9 See I.C.5

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-01	Flow to City of Tampa STAR System - R-001
FLW-02	Flow to City of Tampa Refuse to Energy Facility (McKay Bay Facility) R-002
EFA-01	after disinfection and prior to discharge to R-001, R-002, and R-003
EFB-01	turbidity and TSS monitoring point after filtration and prior to disinfection
EFD-01	after dechlorination and prior to discharge to Hillsborough Bay

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
4. Over a 30-day period, at least 75 percent of the fecal coliform values shall be below the detection limits. No sample shall exceed 25 fecal coliforms per 100 mL. No sample shall exceed 5.0 mg/L of total suspended solids (TSS) at a point before the application of the disinfectant. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). *[62-600.440(5)(f)]*
5. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]*
6. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*
7. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: D-001, R-002 and R-003. *[62-610.320(6) and 62-610.463(2)]*
8. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. *[62-610.463(2)]*
9. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. *[62-610.463(4)]*

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

10. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-003. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	4.32	Annual Average	Monthly	Calculated	FLW-03	
Flow	MGD	Max	Report	Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-03	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	Monthly	Calculated	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max	30.0 45.0 60.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	Monthly	Calculated	EFA-01	
Solids, Total Suspended	mg/L	Max Max Max	30.0 45.0 60.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	Meter	EFD-01	See I.B.3
Coliform, Fecal	#/100mL	Max	200	Annual Average	Monthly	Calculated	EFA-01	
Coliform, Fecal	#/100mL	Max Max	200 800	Monthly Geometric Mean Single Sample	Daily; 24 hours	Grab	EFA-01	See I.B.12
Chlorine, Total Residual	mg/L	Max	0.5	Single Sample	Continuous	Meter	EFA-01	See I.B.13

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

11. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.10. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-03	flow to industrial reuse system R-003
EFA-01	after disinfection and prior to discharge to R-001, R-002, and R-003
EFD-01	after dechlorination and prior to discharge to Hillsborough Bay

12. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average. [62-600.440(4)(c)]
13. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.410 and 62-600.440(4)(b) and (5)(b)]

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

C. Other Limitations and Monitoring and Reporting Requirements

- During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.8.:

Parameter	Units	Max/Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	96	Annual Average	Monthly	Calculated	FLW-04	See I.C.4
Flow	MGD	Max Max	Report Report	3-Month Rolling Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-04	
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	FLW-04	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	24-hr FPC	INF-01	See I.C.3
Solids, Total Suspended (Influent)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	24-hr FPC	INF-01	See I.C.3

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-04	Total plant flow measured at the headworks
INF-01	at headworks, prior to primary treatment

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. A recording flow meter and totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
5. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Southwest District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]
6. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
- a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

7. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
8. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Mail or Electronically Submit by
Monthly	first day of month - last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 - June 30 July 1 - September 30 October 1 - December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 - June 30 July 1 - December 31	July 28 January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

[62-620.610(18)][62-601.300(1),(2), and (3)]

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. [62-601.300(4)][62-601.500(3)][62-610.300(4)]
10. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. [62-610.870(3)]
11. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Southwest District Office for review and approval upon revision of the operating protocol(s) and with each permit application. [62-610.320(6)][62-610.463(2)]
12. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's Southwest District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. [62-610.464(5)]

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

13. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southwest District Office at the address specified below:

Florida Department of Environmental Protection
Southwest District Office
13051 N. Telecom Pkwy
Temple Terrace, Florida 33637-0926
Email Address: swd_dw@dep.state.fl.us

Phone Number - (813) 470-5700

FAX Number - (813) 470-5996

[62-620.305]

14. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

1. Biosolids generated by this facility may be land applied, distributed and marketed, transferred to biosolids treatment facility, or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.C.8.

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-1
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-2
Biosolids Quantity (Distributed & Marketed in FL)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-3
Biosolids Quantity (Distributed & Marketed outside FL)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-4
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-5

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-1	Calculated from total solids
RMP-2	Calculated from total solids
RMP-3	Calculated from total solids
RMP-4	Calculated from total solids
RMP-5	Calculated from total solids

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

B. Treatment and Monitoring Requirements

8. The permittee is authorized to produce Class A, AA, and B biosolids.
9. The permittee shall achieve Class A pathogen reduction by meeting the pathogen reduction requirements in section 503.32(a)(7) (Use of PFRP (Processes to Further Reduce Pathogens)-Heat Drying, See II.B.10., below) of Title 40 CFR Part 503. [62-640.600(1)(a)]
10. Class A PFRP -Heat Drying requires either the density of fecal coliform in the sewage sludge shall be less than 1000 Most Probable Number per gram of total solids (dry weight basis), or the density of Salmonella, sp. bacteria in the sewage sludge shall be less than three Most Probable Number per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed; at the time the sewage sludge is prepared for sale or given away in a bag or other container for application to the land; or at the time the sewage sludge or material derived from sewage sludge is prepared to meet the requirements in section 503.10(b), (c), (e), or (f) of Title 40 CFR Part 503. [62-640.600(1)(a)]
11. The permittee shall achieve Class B pathogen reduction by meeting the pathogen reduction requirements in section 503.32(b)(3) (Use of PSRP (Processes to Significantly Reduce Pathogens)-Anaerobic Digestion, See II.B.13., below) or 503.32(b)(2) (Monitoring of Indicator Organisms, See II.B.12., below) of Title 40 CFR Part 503. [62-640.600(1)(b)]
12. Class B-Monitoring of Indicator Organisms requires that seven samples of treated sewage sludge (biosolids) be collected over a 2-week period and that the geometric mean fecal coliform density of these samples be less than 2 million CFU or MPN per gram of biosolids (dry weight basis). This approach uses fecal coliform density as an indicator of the average density of bacterial and viral pathogens. Over the long term, fecal coliform density is expected to correlate with bacterial and viral pathogen density in biosolids treated by biological treatment processes. [62-640.600(1)(b)]
13. Class B PSRP - Anaerobic Digestion requires sewage sludge is treated in the absence of air for a specific mean cell residence time (i.e. solids retention time) at a specific temperature. Values for the mean cell residence time and temperature shall be between 15 days at 35°C to 55°C (131°F) and 60 days at 20°C (68°F). [62-640.600(1)(b)]
14. The permittee shall achieve vector attraction reduction for Class A or B biosolids by meeting the vector attraction reduction requirements in section 503.33(b)(1) (Reduce the mass of volatile solids by a minimum of 38%) or 503.33(b)(8) (Reduce moisture content of biosolids that contain unstabilized solids from primary treatment to at least 90 % solids) (See II.B.15., below) of Title 40 CFR Part 503. [62-640.600(2)(a)]
15. Reduce moisture content of biosolids that contain unstabilized solids from primary treatment to at least 90 % solids requires that the sewage sludge is dried by direct or indirect contact with hot gases to reduce the moisture content of the sewage sludge to 10% or lower. Either the temperature of the sewage sludge particles exceeds 80

°C (176 °F) or the wet bulb temperature of the gas in contact with the sewage sludge as the sewage sludge leaves the dryer exceeds 80 °C (176 °F). [62-640.600(2)(a)]

16. Temperature shall be routinely monitored to demonstrate compliance with vector attraction reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
17. Treatment of liquid biosolids or septage for the purpose of meeting the pathogen reduction or vector attraction reduction requirements set forth in Rule 62-640.600, F.A.C., shall not be conducted in the tank of a hauling vehicle. Treatment of biosolids or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. [62-640.400(7)]
18. Class A biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.8. Biosolids shall not be land applied if a single sample result for any parameter exceeds the following:

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Monthly	Composite	RMP-A
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	Monthly	Composite	RMP-A
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	Monthly	Composite	RMP-A
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	Monthly	Composite	RMP-A
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	Monthly	Composite	RMP-A
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Monthly	Composite	RMP-A
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	Monthly	Composite	RMP-A
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	Monthly	Composite	RMP-A
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	Monthly	Composite	RMP-A
pH	s.u.	Max	Report	Single Sample	Monthly	Grab	RMP-A
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	Monthly	Grab	RMP-A
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	Monthly	Grab	RMP-A

*Either the fecal coliform limit or Salmonella sp. limit must be met.

[62-640.650(3)(a)(3) and 62-640.700(5)(a)]

19. Class B biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.8. Biosolids shall not be land applied if a single sample result for any parameter exceeds the following:

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Parameter	Units	Max/Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
pH	s.u.	Max	Report	Single Sample	Bi-monthly; every 2 months	Grab	RMP-B
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Coliform, Fecal	CFU/g	Max	2000000	Geometric Mean	Bi-monthly; every 2 months	Grab	RMP-B
Temperature	Degrees	Range	Report	Single Sample	Continuous	Meter	RMP-B
Time	Days	Min	Report	Single Sample	Daily; 24 hours	Calculation	RMP-B
Volatile Solids	% reduction	Min	≥38%	Single Sample	Bi-monthly; every 2 months	Grab	RMP-B

[62-640.650(3)(a)(3) and 62-640.700(5)(a)]

20. Class AA biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.8. Biosolids shall not be distributed and marketed or land applied if a single sample result or the monthly average of sample results for any parameter exceeds the following Class AA parameter concentrations:

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Monthly Average	Monthly	Composite	RMP-AA
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Monthly Average	Monthly	Composite	RMP-AA
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Monthly Average	Monthly	Composite	RMP-AA
Arsenic Total, Dry Weight, Sludge	mg/kg	Max Max	41.0 75.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max Max	39.0 85.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max Max	1500.0 4300.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Lead, Dry Weight, Sludge	mg/kg	Max Max	300.0 840.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Mercury, Dry Weight, Sludge	mg/kg	Max Max	17.0 57.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Monthly	Composite	RMP-AA
Nickel, Dry Weight, Sludge	mg/kg	Max Max	420.0 420.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Selenium Sludge Solid	mg/kg	Max Max	100.0 100.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Zinc, Dry Weight, Sludge	mg/kg	Max Max	2800.0 7500.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
pH	s.u.	Max	Report	Single Sample	Monthly	Grab	RMP-AA
Solids, Total, Sludge, Percent	percent	Max Max	Report Report	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	Monthly	Grab	RMP-AA
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	Monthly	Grab	RMP-AA

*Either the fecal coliform limit or Salmonella sp. limit must be met.

**Note, monthly averages of parameter concentrations shall be determined by taking the arithmetic mean of all sample results for the month.

[62-640.650(3)(a)(3), 62-640.700(5)(a), 62-640.700(5)(b) and 62-640.850(4)]

21. Class AA biosolids that are stored for more than 45 days shall be re-sampled for fecal coliform or Salmonella sp. monthly. [62-640.650(3)(a)5]
22. Sampling and analysis shall be conducted in accordance with 40 CFR Part 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, August 1989. In cases where conflicts exist between 40 CFR 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in 40 CFR Part 503.8 will apply. [62-640.650(3)(a)1]
23. All samples shall be representative and shall be taken after final treatment of the biosolids but before land application or distribution and marketing. [62-640.650(3)(a)5]
24. Biosolids samples shall be taken at the monitoring site locations listed in Permit Condition(s) II.18, 19 and 20, as described below:

Monitoring Site Number	Description of Monitoring Site
RMP-A	Class A final product, after heat drying and prior land application

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Monitoring Site Number	Description of Monitoring Site
RMP-AA	Class AA final product, after heat drying and prior to distribution
RMP-B	Class B final product, after treatment and prior to land application

C. Distribution and Marketing

25. Biosolids or biosolids products may be distributed and marketed only if the biosolids or biosolids products meet Class AA standards and are either sold or given-away under a Florida fertilizer license or distributed and marketed to a person or entity that will sell or give-away the biosolids or biosolids products under Florida fertilizer license. Biosolids composts that are enrolled and certified under the U.S. Composting Council's Seal of Testing Assurance (USCC STA) program do not have to be sold or given-away under a Florida fertilizer license except if distributed and marketed within the Lake Okeechobee, St. Lucie River, and Caloosahatchee River watersheds. [62-640.850]
26. Within 24 hours of discovering that distributed and marketed biosolids did not meet the Class AA standards, the permittee shall notify the Department and all persons to whom they delivered or distributed and marketed the Class AA biosolids. [62-640.650(6)(g)]
27. The permittee shall make the following information available to users by product labels or other means:
 - a. The fertilizer label required by Florida fertilizer law or the equivalent information required by the USCC STA program;
 - b. The name and address of the facility or person that produced the Class AA biosolids;
 - c. A statement that the biosolids or biosolids product meets the criteria of subsection 62-640.700(5), F.A.C.;
 - d. Recommendation that biosolids be applied at a rate that does not exceed crop or plant nutrient needs and;
 - e. Recommendations on proper storage of the biosolids or biosolids product prior to use. For distributed quantities of biosolids or biosolids products greater than one dry ton, the recommendations shall include that biosolids may not be stored on property for more than seven days unless stored to prevent runoff of biosolids or stormwater that has been in contact with biosolids, violation of the odor prohibition in subsection 62-296.320(2), F.A.C., and vector attraction.[62-640.850(5)]

D. Land Application at Permitted Sites

28. Land application of biosolids at the site shall be in accordance with the site permit, the Nutrient Management Plan, and the requirements of Chapter 62-640, F.A.C. [62-640]
29. The biosolids from this facility shall only be land applied at sites identified on the Treatment Facility Biosolids Plan, Form 62-640.210(2)(a), submitted with the permit application or revised in accordance with condition II.27 below, which is incorporated as part of this permit. [62-640.300(2)]
30. The permittee shall notify the Department at least 24 hours before beginning biosolids application at a site not listed in the Treatment Facility Biosolids Plan Form 62-640.210(2)(a). The facility's Treatment Facility Biosolids Plan shall be revised to include the new site and submitted to the Department within 30 days of using the site. The revised Treatment Facility Biosolids Plan shall become part of the treatment facility permit. [62-640.300(2)(c) & 62-640.650(6)(a)]
31. Land application of "other solids" as defined in Chapter 62-640, F.A.C., is only allowed if specifically addressed in the Nutrient Management Plan(s) approved for the site where the other solids will be applied. [62-640.860]
32. The permittee shall maintain hauling records to track the transport of biosolids between the treatment facility and the application site. The hauling records for each party shall contain the following information:

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Treatment Facility Permittee

1. Date and time shipped and shipment ID
2. Amount of biosolids shipped
3. Concentration of parameters & date of analysis
4. Name and ID number of permitted application site
5. Class of biosolids shipped
6. Signature of certified operator or designee
7. Signature of hauler and name of hauling firm

Site Permittee

1. Date and time received and shipment ID
2. Name and ID number of treatment facility from which biosolids are received
3. Signature of hauler
4. Signature of site manager

A copy of the treatment facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids site manager. The permittee shall report to the Department within 24 hours of discovery of any discrepancy in the delivery of biosolids leaving the treatment facility and arriving at the permitted application site. Treatment facility permittees shall notify the Department, site manager, and site permittee within 24 hours of discovery of sending biosolids that did not meet the requirements of Rule 62-640.600, F.A.C., or subsection 62-640.700(5), F.A.C., to a land application site.

[62-640.650(4) & (5)]

33. The permittee shall maintain copies of the Biosolids Application Site Annual Summaries, received from site permittees in accordance with 62-640.650(5)(e), F.A.C., indefinitely. *[62-640.650(4)(d)]*
34. The permittee shall submit a Treatment Facility Biosolids Annual Summary to the Department's Southwest District Office on Department Form 62-640.210(2)(b). The summary shall include all biosolids shipped during the period January 1 through December 31 and shall be submitted to the Department by February 19 of the year following the year of application. *[62-640.650(5)(c)]*

E. Disposal

35. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(b) & (c)]*

F. Transfer

36. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. *[62-640.880(1)(b)]*
37. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility

1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)
4. Name and ID Number of treatment facility
5. Signature of responsible party at source facility
6. Signature of hauler and name of hauling firm

Biosolids Treatment Facility or Treatment Facility

1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility
4. Signature of hauler
5. Signature of responsible party at treatment facility

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

G. Receipt

38. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. GROUND WATER REQUIREMENTS

1. The permittee shall give at least 72-hours notice to the Department's Southwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Southwest District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]
5. For the Part III Public Access system, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for Land Application Site R-001 shall extend horizontally 100 feet from the application site(s) and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
6. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
7. If the concentration for any constituent listed in Permit Condition III.10. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
8. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.9., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600] [62-610.463]
9. The following monitoring wells shall be sampled for Reuse System R-001.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWC-01	SP-1 (Swann Park)	27	56	16	82	31	9	15	Surficial	Existing
MWC-02	SP-2 (Swann Park)	27	56	15	82	31	16	15	Surficial	Existing
MWC-03	GE-1 (Gorrie Elem.)	27	56	23	82	28	7	15	Surficial	Existing
MWC-04	GE-2 (Gorrie Elem.)	27	56	20	82	28	2	15	Surficial	Existing

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP = Piezometer

[62-520.600] [62-610.463]

10. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Arsenic, Total Recoverable	10	ug/L	Grab	Quarterly
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	In Situ	Quarterly
Sulfate, Total	250	mg/L	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Sodium, Total Recoverable	160	mg/L	Grab	Quarterly

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.310(5)]

11. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)] [62-610.463(3)(a)]
12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-601.700(5)]
13. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. [62-520.310(5)]
14. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.C.8. [62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-620.610(18)]
15. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Southwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Southwest District Office before installation. [62-520.600(6)(l)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area consisting of the City of Tampa service area as outlined on the map titled Section C-VIII Proposed City of Tampa Reclaimed Water Service Area. The following uses of reclaimed water are authorized within this general service area:

Aesthetic Purposes (Decorative Ponds, Pools, and Fountains)
Athletic Complexes and Parks
Construction Dust Control
Golf Courses
Other Landscape Irrigation
Residential Developments
Toilet Flushing

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWP

PA FILE NUMBER: FL0020940-019-DW1P/NR

[62-620.630(10)(a)]

2. This reuse system includes the following major users (i.e., using 0.1 MGD or more of reclaimed water):

User Name	User Type	Capacity (MGD)	Acreage
STAR	Landscape / Residential	4.25	1,611
Phase A		1.3	
Tampa International Airport	Landscape/ Commercial	0.23	
Tampa Port Authority	Landscape/ Commercial	0.22	
Totals		6.0	

[62-610.800(5)][62-620.630(10)(b)]

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. [62-610.890]
4. Cross-connections to the potable water system are prohibited. [62-610.469(7)]
5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. [62-610.469(7)]
6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. [62-610.469(7)(h)]
7. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
- Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
 - If the potable water system is contaminated, clear the potable water lines.
 - Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.
 - Test the affected area for other possible cross-connections.
 - Within 24 hours, notify the Department's Southwest District Office's domestic wastewater and drinking water programs.
 - Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Southwest District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

[62-555.350(3) and 62-555.360][62-620.610(20)]

8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*
9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*
10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*
13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*
14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*
15. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*
16. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*
17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
18. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

B. Part VII Industrial Uses of Reclaimed Water

1. Reclaimed water shall not be used in the manufacture or processing of food or beverage for human consumption where the reclaimed water will be incorporated into or come into contact with the food or beverage product. *[62-610.650(4)]*

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

2. Advisory signs shall be posted around the portions of the industrial site in which reclaimed water is used and at the main entrances to the industrial site to notify employees at the industrial site and the public of the nature of the reclaimed water use. [62-610.658]
3. Cross-connections to the potable water system are prohibited. [62-610.660(1)]
4. There shall be readily identifiable "non-potable" or "do not drink" notices, marking, or coding on application/distribution facilities and appurtenances. [62-610.660(2)]
5. The return of reclaimed water to the reclaimed water distribution system after it has been delivered to the industrial facility is prohibited. [62-610.660(3)]
6. A 300-foot setback distance shall be provided from the cooling tower that receives reclaimed water to the site property line. [62-610.668(2)(c)]
7. The cooling tower shall be designed and operated to minimize aerosol drift to areas beyond the site property line that are accessible to the public. [62-610.668(2)(c)]
8. The cooling tower shall be designed, operated, and maintained utilizing best engineering practices to control biological growth. [62-610.668(2)(c)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. Submit an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C., five years from the date of issuance of this permit. [62-600.405(5)] (Only applicable to facilities that meet the criteria in Section 403.087(3), F.S. and are being issued permits for terms exceeding five years.)
2. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]
3. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
- b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
- c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
- d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
- e. A copy of the current permit;
- f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
- g. A copy of any required record drawings;
- h. Copies of the licenses of the current certified operators;
- i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

Improvement Action	Completion Date
Submit a permit revision for the Dibromochloromethane mixing zone	90 days after the final study plan final report is approved by the Department

[62-620.320(6)]

2. With the application for permit renewal, the permittee shall submit, to the Southwest District Office, the results of sampling monitoring wells specified in the Department-approved monitoring plan for the primary and secondary drinking water parameters included in Chapter 62-550, F.A.C., (excluding asbestos, acrylamide, Dioxin, butachlor, epichlorohydrin, pesticides, and PCBs, unless reasonably expected to be a constituent of the discharge or an artifact of the site). Sampling shall occur no sooner than 180 days before submittal of the renewal application. The Southwest District Office shall be notified prior to initiating the sampling as per permit condition VI.3, below. [62-520.600(5)(b)]
3. The facility shall provide a proposal to the Southwest District Office at least 180 days before submittal of the renewal application listing the applicable groundwater monitoring wells for the above renewal sampling. Upon approval by the Department sampling shall occur no sooner than 180 days before submittal of the renewal application. [62-520.600(5)(b)]
4. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
- b. The permittee has made complete the application for renewal of this permit before the permit expiration date.
Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3.A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. [62-620.335(1) - (4)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

A. Implementation Requirements

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. [62-625.500]
2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. [62-625.410]
3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:
 - a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;
 - b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;
 - c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4), F.A.C.; and
 - d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation in accordance with Rule 62-625.600(16), F.A.C. For new local limits, a plan of study shall be submitted to the Department prior to initiating sampling required to develop the new local limits. This evaluation shall be submitted to the Department at the address in the condition below within 180 days after permit renewal.
[62-625.400 and .500]
4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R for this facility, to the Department at the following address:

Florida Department of Environmental Protection
Domestic Wastewater Section, Mail Station 3540
Bob Martinez Center

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

2600 Blair Stone Road
Tallahassee, Florida 32399-2400

The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(f) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

In order to comply with Rule 62-625.600(8)(f), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on November 1 of each year, to cover a period between July 1 and June 30. [62-625.600(8) and (12)]

5. No additional facilities are covered by the Howard F. Curren AWTP (FL0020940) pretreatment program.
6. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
PRT-I	Junction chamber No. 1
PRT-E	Final effluent after dechlorination
PRT-R	De-watered sludge cake, prior to pelletization or land application

VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8) and 62-640.400(6)]
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
- e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

[62-604.130(5)]

- 5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b)]*
- 6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*
- 7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*
- 8. The permittee shall provide verbal notice to the Department's Southwest District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southwest District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
- 9. Reopener Clause:
 - a. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345, F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:
 - (1) Contains different conditions or is otherwise more stringent than any condition in the permit/or;
 - (2) Controls any pollutant not addressed in the permit.
 - (3) The permit as revised or reissued under this paragraph shall also contain any other requirements of the Act then applicable.
 - b. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, DEP approved changes in water quality standards, or other information show a need for a different limitation or monitoring requirement.
 - c. The Department may develop a Total Maximum Daily Load (TMDL) during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.

[62-620.325 & 62-620.345]

IX. GENERAL CONDITIONS

- 1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or

conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]

3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWP

PA FILE NUMBER: FL0020940-019-DW1P/NR

11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17)]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.

- d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

- 19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
- 20. The permittee shall report to the Department's Southwest District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 - a. The following shall be included as information which must be reported within 24 hours under this condition:
 - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 - (4) Any unauthorized discharge to surface or ground waters.
 - b. Oral reports as required by this subsection shall be provided as follows:
 - (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph IX.20.(a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:
 - (a) Name, address, and telephone number of person reporting;
 - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
 - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - (e) Estimated amount of the discharge;
 - (f) Location or address of the discharge;
 - (g) Source and cause of the discharge;
 - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - (i) Description of area affected by the discharge, including name of water body affected, if any; and
 - (j) Other persons or agencies contacted.
 - (2) Oral reports, not otherwise required to be provided pursuant to subparagraph IX.20.b.1 above, shall be provided to the Department's Southwest District Office within 24 hours from the time the permittee becomes aware of the circumstances.
 - c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Southwest District Office shall waive the written report.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. [62-620.610(21)]
22. Bypass Provisions.
 - a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
 - b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
 - c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
 - d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.
 - e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.
 - a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
 - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
 - b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
 - c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
 - d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

[62-620.610(23)]

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Draft

Kelly Boatwright
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit to City of Tampa Wastewater Department, Eric Weiss, P.E., Director Wastewater Department, 2545 Guy N. Verger Boulevard, Tampa, Florida 33605 for the City of Tampa - Howard F. Curren AWTP. This permit authorizes the permittee to operate a 96 mgd domestic wastewater treatment facility, which would discharge up to 96.0 mgd of effluent to Hillsborough Bay. This permit authorizes land application of 6.0 mgd of reclaimed water to a slow-rate public access system and discharge of 6.62 mgd of reclaimed water to industrial reuse systems. The facility is located at latitude 27°55'25.10" N, longitude 82°26'14.26" W at 2700 Maritime Blvd, Tampa, Florida 33605-6744 in Hillsborough County. The Department has assigned permit file number FL0020940-019-DW1P to the proposed project.

Any interested person may submit written comments on the Department's draft permit or may submit a written request for a public meeting to Astrid Flores Thiebaud, 13051 N. Telecom Pkwy, Temple Terrace, Florida 33637-0926, in accordance with Rule 62-620.555, Florida Administrative Code. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Southwest District Office within 30 days of publication of this notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, Florida Administrative Code.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

The permit application file and supporting data are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southwest District Office, 13051 N. Telecom Pkwy, Temple Terrace, Florida 33637-0926, at phone number (813) 470-5700.



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

October 08, 2015

Molly Davis, Chief
NPDES Permitting Section
US EPA Region 4
61 Forsyth St., S.W.
Atlanta, GA 30303-8960
Davis.Molly@epa.gov

Re: PA File No. FL0020940-019-DW1P/NR
City of Tampa Wastewater Department
City of Tampa - Howard F. Curren AWTP
Permit No. FL0020940
SIC 4952

Dear Ms. Davis:

The draft permit and associated documentation (public notice and fact sheet) for the City of Tampa - Howard F. Curren AWTP are attached for EPA review. The permit application can be accessed using the following Oculus links:

[http://depedsms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=38.396170.1\]&\[profile=Permittin g_Authorization\]](http://depedsms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=38.396170.1]&[profile=Permittin g_Authorization])

[http://depedsms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=38.396171.1\]&\[profile=Permittin g_Authorization\]](http://depedsms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=38.396171.1]&[profile=Permittin g_Authorization])

In accordance with the Memorandum of Agreement (MOA), dated November 30, 2007, the Department will assume that the EPA concurs with the enclosed draft permit and public notice, if the EPA does not respond with comments, request additional information, or request an extension of time to provide comments within 30 days of the date that you receive the draft permit and attachments.

If there are questions about the permit or application, please contact Jacquelyn Champion at (813) 470-5918 or Jacquelyn.Champion@dep.state.fl.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacquelyn M. Champion".

for Kelley M. Boatwright
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

Attachments

cc: EPA Region IV - Water Management, r4npdespermits@epa.gov

Pearce, Jennifer

From: Hughes, Rhonda <Rhonda.Hughes@dep.state.fl.us> on behalf of SWD_WF_Permitting (Shared Mailbox) <SWD_WF_Permitting@dep.state.fl.us>
Sent: Monday, November 23, 2015 10:59 AM
To: Eric Weiss (Eric.Weiss@tampagov.net)
Cc: R4NPDESPermits; Jeff Hilton (jeffrey.hilton@tampagov.net); dan.vanderschuur@tampagov.net; Tony Alhoms (alhoms@epchc.org); ifetayo.venner@arcadis-us.com; Monica Sudano; Kaur, Ramandeep; Jordan, Jaclyn; FloresThiebaud, Astrid; Champion, Jacquelyn
Subject: Tampa City of-Howard F, Curran AWWTP / FL0020940-019-DW1P-NR / Notice of Permit Issuance / 11-23-2015 / Hillsborough County
Attachments: 019-DW1P-NR NOP.pdf; 019-DW1P-NR Permit .pdf; 019-DW1P-NR- DMRS.pdf; 019-DW1P-NR FactSheet.pdf; 019-DW1P-NR Pathogen Monitoring Report.pdf

Good morning,

Attached, please find the above-subject Notice of Permit Issuance documents. In an effort to reduce costs and waste, our agency is moving to electronic rather than paper correspondence. This is the only copy that you will receive, unless you request otherwise.

Acrobat Reader 6.0 or greater is required to read the documents. It is available for downloading at <http://www.adobe.com/products/acrobat/readstep.html>

If you have any questions concerning the contents of the attached documents, please contact the FDEP Permit Engineer Ms. Astrid FloresThiebaud at (813) 470-5760 or via email Astrid.Floresthiebaud@dep.state.fl.us.

Sincerely,

Rhonda Hughes
Secretary Specialist
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637
Phone: (813) 813-470-5718
Fax: (813) 470-5993
Rhonda.Hughes@dep.state.fl.us





Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

November 23, 2015

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

In the Matter of an
Application for Permit by:

City of Tampa Wastewater Department
Mr. Eric Weiss, P.E., Director Wastewater Department
2545 Guy N. Verger Boulevard
Tampa, Florida 33605
eric.weiss@tampagov.net

File Number FL0020940-019-DW1P/NR
Hillsborough County
City of Tampa - Howard F. Curren AWTP

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number FL0020940 to operate the Howard F. Curren AWTP, issued under Chapter 403, Florida Statutes.

Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department in writing for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
- (c) A statement of when and how the petitioner received notice of the Department's decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), this permit will not be effective until further order of the Department.

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when this permit action is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



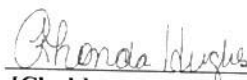
Kelley M. Boatwright
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on the date indicated below.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.

 November 23, 2015
[Clerk] [Date]

cc:

EPA Region IV – Water Management, r4npdespermits@epa.gov
Jeff Hilton, P.E., City of Tampa, Jeffrey.Hilton@tampagov.net
Dan Vanderschuur, City of Tampa, Dan.Vanderschuur@tampagov.net
Ifetayo Venner, Arcadis, Ifetayo.Venner@arcadis-us.com
Tony Alhomsy, P.E., Hillsborough County EPC, Alhomsy@epchc.org
Monica Sudano, FDEP Tallahassee, Monica.Sudano@dep.state.fl.us
Ramandeep Kaur, PhD, FDEP SWD, Ramandeep.Kaur@dep.state.fl.us
Jaclyn Jordon, FDEP SWD, Jaclyn.Jordon@dep.state.fl.us



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

City of Tampa Wastewater Department

RESPONSIBLE OFFICIAL:

Mr. Eric Weiss, P.E., Director Wastewater Department
2545 Guy N. Verger Boulevard
Tampa, Florida 33605
(813) 274-8039
eric.weiss@tampagov.net

PERMIT NUMBER: FL0020940 (Major)
FILE NUMBER: FL0020940-019-DW1P/NR
EFFECTIVE DATE: November 23, 2015
EXPIRATION DATE: November 22, 2020

FACILITY:

City of Tampa - Howard F. Curren AWTP
2700 Maritime Blvd
Tampa, FL 33605-6744
Hillsborough County
Latitude: 27°55' 25.10" N Longitude: 82°26' 14.26" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Biosolids generated by this facility are heat dried to meet Class AA standards for distribution and marketing or are dewatered for land application as Class A or Class B biosolids.

REUSE OR DISPOSAL:

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PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Surface Water Discharge D-001: An existing 96.0 MGD AADF discharge to Hillsborough Bay (Upper), Class III Marine waters, (WBID# 1558E) which is approximately 141 feet in length and discharges at a depth of approximately 29.1 feet. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-002: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 4.5 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-002 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-003: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 6.8 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-003 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Pursuant to Rule 62-4.244, F.A.C., the permittee is hereby granted a mixing zone for Dichlorobromomethane and Dibromochloromethane for the effluent discharge at Outfalls D-001, D-002 and D-003. The permittee's discharge shall not cause a violation of the Chapter 62-302, F.A.C., Class III Water Quality Standards outside the boundaries of the mixing zones described below.

The mixing zone for Dichlorobromomethane has a circular area of 1.0 meter radius, with a total surface area of 3.14 square meters, centered over the outfall(s). The mixing zone for Dibromochloromethane has a circular area of 1.17 meters radius, with a total surface area of 4.3 square meters, centered over the outfall(s). These mixing zones include the entire water column from the surface to the bottom and otherwise complies with the physical requirements of Rule 62-4.244, F.A.C. Parameter limits at the outfall(s) are as shown in Condition I.A.1., below.

REUSE:

Land Application R-001: An existing 6.0 MGD AADF permitted capacity slow-rate public access system (City of Tampa Public Access Reuse System) consisting of the City of Tampa service area as outlined on attachment VI on the permit application.

Industrial Reuse R-002: An existing 2.3 MGD AADF permitted capacity Part VII industrial reuse system providing Part III quality reclaimed water for use as cooling water and minor irrigation at the City of Tampa Refuse to Energy Facility (McKay Bay Facility). R-002 is located approximately at latitude 27°56' 56" N, longitude 82°25' 19" W.

Industrial Reuse R-003: An existing 4.32 MGD AADF permitted industrial reuse system providing secondary treatment reclaimed water to a closed-loop system for heating purposes at Mosaic Fertilizer, LLC (Formerly CF Industries). R-003 is located approximately at latitude 27° 55' 02" N, longitude 82° 26' 14" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 3 through 36 of this permit.

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001 to Hillsborough Bay (Upper). In addition, the permittee is authorized to discharge effluent from Outfalls D-002 and D-003 to Ybor City Drain and then to Hillsborough Bay (Upper). Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8. :

Parameter	Units	Effluent Limitations			Monitoring Requirements			Notes
		Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report 96.0	Monthly Average Annual Average	Continuous	Recording Flow Meter with Totalizer	FLW-05	
Flow	MGD	Max Max	Report Report	Monthly Average Annual Average	Continuous	Recording Flow Meter with Totalizer	FLW-06	See I. A.4
Flow	MGD	Max Max	Report Report	Monthly Average Annual Average	Continuous	Recording Flow Meter with Totalizer	FLW-07	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	Monthly	Calculated	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max	6.25 7.5 10.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Monthly	Calculated	EFA-01	
Solids, Total Suspended	mg/L	Max Max Max	6.25 7.5 10.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Daily; 24 hours	Grab	EFA-01	
Nitrogen, Total	mg/L	Max	3.0	Annual Average	Monthly	Calculated	EFA-01	
Nitrogen, Total	mg/L	Max Max Max	3.75 4.5 6.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	Monthly	Calculated	EFA-01	
Phosphorus, Total (as P)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	24-hr FPC	EFA-01	
pH	s.u.	Min Max	6.5 8.5	Single Sample Single Sample	Continuous	Meter	EFD-01	See I.A.3

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Parameter	Units	Max/Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Monthly	Calculated	EFA-01	See I.A.5
Coliform, Fecal	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFA-01	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-01	See I.A.3 and I.A.6
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	Daily; 24 hours	Grab	EFD-01	
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	Daily; 24 hours	Grab	EFD-01	
Enterococci	#/100mL	Max Max	35 276	Monthly Geometric Mean Single Sample	5/Month	Grab	EFA-01	See I.A.7
Copper, Total Recoverable	ug/L	Max	3.7	Single Sample	Quarterly	24-hr FPC	EFD-01	
Dichlorobromomethane	ug/L	Max	33.0	Annual Average	Monthly	Calculated	EFD-01	
Dichlorobromomethane	ug/L	Max	Report	Monthly Average	Monthly	Grab	EFD-01	
Dibromochloromethane	ug/L	Max	39.0	Annual Average	Monthly	Calculated	EFD-01	
Dibromochloromethane	ug/L	Max	Report	Monthly Average	Monthly	Grab	EFD-01	
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	Monthly	Calculated	EFA-01	
Nitrogen, Total	ton/yr	Max	319.8	Annual Total	Monthly	Calculated	EFA-01	
Nitrogen, Total	ton/yr	Max	213.2	5 Year Average	Monthly	Calculated	EFA-01	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.8
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.8

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-05	Flow from D-001 to Hillsborough Bay (FLW-05 = FLW-04 – FLW-07 - FLW-06 – FLW-02 – FLW-01)
FLW-01	Flow to City of Tampa Public Access Reuse System - R-001
FLW-02	Flow to City of Tampa Refuse to Energy Facility (McKay Bay Facility) R-002
FLW-04	Total plant flow measured at the headworks
FLW-06	Flow from D-002 to Hillsborough Bay (metered)
FLW-07	Flow from D-003 to Hillsborough Bay (metered)
EFA-01	After disinfection and prior to discharge to R-001, R-002, and R-003
EFB-01	Turbidity and TSS monitoring point after filtration and prior to disinfection
EFD-01	After dechlorination and prior to discharge to Hillsborough Bay

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
5. Over a 30-day period, at least 75 percent of the fecal coliform values shall be below the detection limits. No sample shall exceed 25 fecal coliforms per 100 mL. No sample shall exceed 5.0 mg/L of total suspended solids (TSS) at a point before the application of the disinfectant. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
6. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(4)(b), (5)(b), and (6)(b)]
7. The enterococci monthly geometric mean value shall be based on all samples of effluent collected during a period of 30 consecutive days (monthly); a minimum of 5 samples of effluent, each collected on nonconsecutive days, is required. [62-302.500(1)(a)6. and 40 CFR Part 131.41]
8. In accordance with the load allocations for the Tampa Bay Reasonable Assurance, the Total Maximum Daily Load for Total Nitrogen (TN) shall be calculated from the monthly average Total Nitrogen concentration. The Total Nitrogen loading shall be calculated as a twelve-month rolling total and shall not exceed 319.8 tons/year and the five year average of the yearly totals shall not exceed 213.20 tons/year.

Monthly Total (Mt)
$Mt = \frac{(\text{Monthly Average Total Nitrogen Concentration, mg/l})(\text{Total Monthly Flow, MG})(8.3454)}{2000 \text{ lbs}}$
Mt = Tons/Month

The annual total shall be calculated as a 12-month rolling total based on the cumulative total of TN tons discharged during the reporting month plus the total of TN tons discharged during the preceding 11 consecutive months.

Annual Total (At)
Annual Total at the end of the n th Month: $At_n = Mt_{n-11} + Mt_{n-10} \dots Mt_n$

The 5-year rolling average shall be calculated as the cumulative total of TN tons discharged during the reporting month plus the total of TN tons discharged during the preceding 59 consecutive months, divided by 5.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

5 Year Average of the Yearly Totals (5yr)
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$5yr_n = (Mt_{n-59} + Mt_{n-58} \dots Mt_n) / 5$
--

9. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.
- a. Effluent Limitation
 - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) for reproduction or growth shall not be less than 100% effluent. [Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]
 - (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rule 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]
 - b. Monitoring Frequency
 - (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.
 - (2) Upon completion of four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above.
 - (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-013, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.
 - c. Sampling Requirements
 - (1) For each routine test or additional follow-up test conducted, a total of three flow proportional 24-hr composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
 - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
 - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
 - d. Test Requirements
 - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%, 50%, 25%, 12.5%, and 6.25%** final effluent.
 - (2) The permittee shall conduct a daphnid, *Ceriodaphnia dubia*, Survival and Reproduction Test and a fathead minnow, *Pimephales promelas*, Larval Survival and Growth Test, concurrently.
 - (3) All test species, procedures and quality assurance criteria used shall be in accordance with Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, 4th Edition, EPA-821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
 - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.
 - e. Quality Assurance Requirements
 - (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWWP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
- (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or the "test acceptability criteria" are not met, the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-013, Section 13.12 (*Ceriodaphnia dubia*) and Section 11.11 (*Pimephales promelas*). The repeat test shall begin within 21 days after the last day of the invalid test.
 - (3) If 100% mortality occurs in all effluent concentrations for either test species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
 - (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.
- f. Reporting Requirements
- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
 - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for reproduction or growth for each test species shall be entered on the DMR.
 - (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-013, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
 - (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-013, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
 - (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
 - (5) The same bioassay data shall not be reported as the results of more than one test.
 - (6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection
Southwest District Office
13051 N Telecom Pkwy,
Temple Terrace, Florida 33637-0926
swd_dw@dep.state.fl.us
- g. Test Failures
- (1) A test fails when the test results do not meet the limits in I.A.9.a.(1).
 - (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the chronic toxicity limitation in I.A.9.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with I.A.9.d.
 - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
 - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-013.
 - (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
 - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
 - (b) The Department shall review and approve the plan before initiation.
 - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
 - (d) Progress reports shall be submitted quarterly to the Department at the address above.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with I.A.9.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in I.A.9.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
- (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in I.A.9.a.(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

B. Reuse and Land Application Systems

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse Systems R-001 and R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

Parameter	Units	Reclaimed Water Limitations			Monitoring Requirements			Notes
		Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	6.0	Annual Average	Monthly	Calculated	FLW-01	
	MGD	Max	2.3	Annual Average	Monthly	Calculated	FLW-02	
Flow	MGD	Max	Report	Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-01	See I.A.4
	MGD	Max	Report	Monthly Average	Continuous		FLW-02	
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	Monthly	Calculated	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	Daily; 24 hours	24-hr FPC	EFA-01	
		Max	45.0	Weekly Average				
		Max	60.0	Single Sample				
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Daily; 24 hours	Grab	EFA-01	See I.B.4
pH	s.u.	Min	6.0	Single Sample	Continuous	Meter	EFA-01	See I.B.3
		Max	8.5	Single Sample				
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Monthly	Calculated	EFA-01	See I.B.4
Coliform, Fecal	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFA-01	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-01	See I.B.5 and I.B.8
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFA-01	See I.B.6 and I.B.8
Giardia	cysts/100L	Max	Report	Single Sample	Bi-annually; every 2 years	Grab	EFA-01	See I.B.9
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Bi-annually; every 2 years	Grab	EFA-01	See I.C.5

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-01	Flow to City of Tampa Public Access Reuse System - R-001
FLW-02	Flow to City of Tampa Refuse to Energy Facility (McKay Bay Facility) R-002
EFA-01	After disinfection and prior to discharge to R-001, R-002, and R-003
EFB-01	Turbidity and TSS monitoring point after filtration and prior to disinfection
EFD-01	After dechlorination and prior to discharge to Hillsborough Bay

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
4. Over a 30-day period, at least 75 percent of the fecal coliform values shall be below the detection limits. No sample shall exceed 25 fecal coliforms per 100 mL. No sample shall exceed 5.0 mg/L of total suspended solids (TSS) at a point before the application of the disinfectant. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). *[62-600.440(5)(f)]*
5. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]*
6. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*
7. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: D-001 and R-003. *[62-610.320(6) and 62-610.463(2)]*
8. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. *[62-610.463(2)]*
9. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. *[62-610.463(4)]*

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

10. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-003. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

Parameter	Units	Reclaimed Water Limitations			Monitoring Requirements			Notes
		Max./Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	4.32	Annual Average	Monthly	Calculated	FLW-03	
Flow	MGD	Max	Report	Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-03	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	Monthly	Calculated	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max	30.0 45.0 60.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	Monthly	Calculated	EFA-01	
Solids, Total Suspended	mg/L	Max Max Max	30.0 45.0 60.0	Monthly Average Weekly Average Single Sample	Daily; 24 hours	24-hr FPC	EFA-01	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	Meter	EFD-01	See I.B.3
Coliform, Fecal	#/100mL	Max	200	Annual Average	Monthly	Calculated	EFA-01	
Coliform, Fecal	#/100mL	Max Max	200 800	Monthly Geometric Mean Single Sample	Daily; 24 hours	Grab	EFA-01	See I.B.12
Chlorine, Total Residual	mg/L	Max	0.5	Single Sample	Continuous	Meter	EFA-01	See I.B.13

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

11. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.10. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-03	Flow to industrial reuse system R-003
EFA-01	After disinfection and prior to discharge to R-001, R-002, and R-003
EFD-01	After dechlorination and prior to discharge to Hillsborough Bay

12. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample.. [62-600.440(4)(c)]
13. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.410 and 62-600.440(4)(b) and (5)(b)]

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

C. Other Limitations and Monitoring and Reporting Requirements

- During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.8.:

Parameter	Units	Max/Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max	96.0	Annual Average	Monthly	Calculated	FLW-04	See I.C.4
Flow	MGD	Max Max	Report Report	3-Month Rolling Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-04	
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	FLW-04	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	24-hr FPC	INF-01	See I.C.3
Solids, Total Suspended (Influent)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	24-hr FPC	INF-01	See I.C.3

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-04	Total plant flow measured at the headworks
INF-01	At headworks, prior to primary treatment

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. A recording flow meter and totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]
5. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. (If additional sampling is required in accordance with the attached form, only one additional sampling event will be required within the two year monitoring frequency). This form shall be submitted to the Department's Southwest District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]
6. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
- The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

7. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

8. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Mail or Electronically Submit by
Monthly	first day of month - last day of month	28 th day of following month
Quarterly	January 1 - March 31	April 28
	April 1 - June 30	July 28
	July 1 - September 30	October 28
	October 1 - December 31	January 28
Semiannual	January 1 - June 30	July 28
	July 1 - December 31	January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

[62-620.610(18)][62-601.300(1),(2), and (3)]

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)][62-601.500(3)][62-610.300(4)]*
10. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
11. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Southwest District Office for review and approval upon revision of the operating protocol(s) and with each permit application. *[62-610.320(6)][62-610.463(2)]*

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

12. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's Southwest District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. [62-610.464(5)]
13. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southwest District Office at the address specified below:

Florida Department of Environmental Protection
Southwest District Office
13051 N. Telecom Pkwy
Temple Terrace, Florida 33637-0926
Email Address: swd_dw@dep.state.fl.us

Phone Number - (813) 470-5700
FAX Number - (813) 470-5996

[62-620.305]

14. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

1. Biosolids generated by this facility may be land applied, distributed and marketed, transferred to biosolids treatment facility, or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.C.8.

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-1
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-2
Biosolids Quantity (Distributed & Marketed in FL)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-3
Biosolids Quantity (Distributed & Marketed outside FL)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-4

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-5

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-1	Calculated from total solids
RMP-2	Calculated from total solids
RMP-3	Calculated from total solids
RMP-4	Calculated from total solids
RMP-5	Calculated from total solids

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

B. Treatment and Monitoring Requirements

8. The permittee is authorized to produce Class A, AA, and B biosolids.
9. The permittee shall achieve Class A pathogen reduction by meeting the pathogen reduction requirements in section 503.32(a)(7) (Use of PFRP (Processes to Further Reduce Pathogens)-Heat Drying, See II.B.10., below) of Title 40 CFR Part 503. [62-640.600(1)(a)]
10. Class A PFRP -Heat Drying requires either the density of fecal coliform in the sewage sludge shall be less than 1000 Most Probable Number per gram of total solids (dry weight basis), or the density of Salmonella, sp. bacteria in the sewage sludge shall be less than three Most Probable Number per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed; at the time the sewage sludge is prepared for sale or given away in a bag or other container for application to the land; or at the time the sewage sludge or material derived from sewage sludge is prepared to meet the requirements in section 503.10(b), (c), (e), or (f) of Title 40 CFR Part 503. [62-640.600(1)(a)]
11. The permittee shall achieve Class B pathogen reduction by meeting the pathogen reduction requirements in section 503.32(b)(3) (Use of PSRP (Processes to Significantly Reduce Pathogens)-Anaerobic Digestion, See II.B.13., below) or 503.32(b)(2) (Monitoring of Indicator Organisms, See II.B.12., below) of Title 40 CFR Part 503. [62-640.600(1)(b)]
12. Class B-Monitoring of Indicator Organisms requires that seven samples of treated sewage sludge (biosolids) be collected over a 2-week period and that the geometric mean fecal coliform density of these samples be less than 2 million CFU or MPN per gram of biosolids (dry weight basis). This approach uses fecal coliform density as an indicator of the average density of bacterial and viral pathogens. Over the long term, fecal coliform density is expected to correlate with bacterial and viral pathogen density in biosolids treated by biological treatment processes. [62-640.600(1)(b)]

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

13. Class B PSRP - Anaerobic Digestion requires sewage sludge is treated in the absence of air for a specific mean cell residence time (i.e. solids retention time) at a specific temperature. Values for the mean cell residence time and temperature shall be between 15 days at 35°C to 55°C (131°F) and 60 days at 20°C (68°F). [62-640.600(1)(b)]
14. The permittee shall achieve vector attraction reduction for Class A or B biosolids by meeting the vector attraction reduction requirements in section 503.33(b)(1) (Reduce the mass of volatile solids by a minimum of 38%) or 503.33(b)(8) (Reduce moisture content of biosolids that contain unstabilized solids from primary treatment to at least 90 % solids) (See II.B.15., below) or 503.33(b)(10) (Incorporation of Sewage Sludge into Soil – Option 10) of Title 40 CFR Part 503. [62-640.600(2)(a)]
15. Reduce moisture content of biosolids that contain unstabilized solids from primary treatment to at least 90 % solids requires that the sewage sludge is dried by direct or indirect contact with hot gases to reduce the moisture content of the sewage sludge to 10% or lower. Either the temperature of the sewage sludge particles exceeds 80 °C (176 °F) or the wet bulb temperature of the gas in contact with the sewage sludge as the sewage sludge leaves the dryer exceeds 80 °C (176 °F). [62-640.600(2)(a)]
16. Temperature shall be routinely monitored to demonstrate compliance with vector attraction reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
17. Treatment of liquid biosolids or septage for the purpose of meeting the pathogen reduction or vector attraction reduction requirements set forth in Rule 62-640.600, F.A.C., shall not be conducted in the tank of a hauling vehicle. Treatment of biosolids or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. [62-640.400(7)]
18. Class A biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.8. Biosolids shall not be land applied if a single sample result for any parameter exceeds the following:

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Monthly	Composite	RMP-A
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	Monthly	Composite	RMP-A
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	Monthly	Composite	RMP-A
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	Monthly	Composite	RMP-A
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	Monthly	Composite	RMP-A
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Monthly	Composite	RMP-A
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	Monthly	Composite	RMP-A
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	Monthly	Composite	RMP-A
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	Monthly	Composite	RMP-A

Parameter	Units	Max/Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
pH	s.u.	Max	Report	Single Sample	Monthly	Grab	RMP-A
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	Monthly	Composite	RMP-A
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	Monthly	Grab	RMP-A
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	Monthly	Grab	RMP-A

*Either the fecal coliform limit or Salmonella sp. limit must be met.

[62-640.650(3)(a)(3) and 62-640.700(5)(a)]

19. Class B biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.8. Biosolids shall not be land applied if a single sample result for any parameter exceeds the following:

Parameter	Units	Max/Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
pH	s.u.	Max	Report	Single Sample	Bi-monthly; every 2 months	Grab	RMP-B
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B

PERMITTEE: City of Tampa Wastewater Department
 FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

Parameter	Units	Max/Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Coliform, Fecal	CFU/g	Max	2000000	Geometric Mean	Bi-monthly; every 2 months	Grab	RMP-B
Temperature	Degrees	Range	Report	Single Sample	Continuous	Meter	RMP-B
Time	Days	Min	Report	Single Sample	Daily; 24 hours	Calculation	RMP-B
Volatile Solids	% reduction	Min	≥38%	Single Sample	Bi-monthly; every 2 months	Grab	RMP-B

[62-640.650(3)(a)(3) and 62-640.700(5)(a)]

20. Class AA biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.8. Biosolids shall not be distributed and marketed or land applied if a single sample result or the monthly average of sample results for any parameter exceeds the following Class AA parameter concentrations:

Parameter	Units	Max/Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Monthly Average	Monthly	Composite	RMP-AA
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Monthly Average	Monthly	Composite	RMP-AA
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Monthly Average	Monthly	Composite	RMP-AA
Arsenic Total, Dry Weight, Sludge	mg/kg	Max Max	41.0 75.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max Max	39.0 85.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max Max	1500.0 4300.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Lead, Dry Weight, Sludge	mg/kg	Max Max	300.0 840.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Mercury, Dry Weight, Sludge	mg/kg	Max Max	17.0 57.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Monthly	Composite	RMP-AA
Nickel, Dry Weight, Sludge	mg/kg	Max Max	420.0 420.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Selenium Sludge Solid	mg/kg	Max Max	100.0 100.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Zinc, Dry Weight, Sludge	mg/kg	Max Max	2800.0 7500.0	Monthly Average Single Sample	Monthly	Composite	RMP-AA
pH	s.u.	Max	Report	Single Sample	Monthly	Grab	RMP-AA

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Solids, Total, Sludge, Percent	percent	Max	Report	Monthly Average Single Sample	Monthly	Composite	RMP-AA
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	Monthly	Grab	RMP-AA
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	Monthly	Grab	RMP-AA

*Either the fecal coliform limit or Salmonella sp. limit must be met.

**Note, monthly averages of parameter concentrations shall be determined by taking the arithmetic mean of all sample results for the month.

[62-640.650(3)(a)(3), 62-640.700(5)(a), 62-640.700(5)(b) and 62-640.850(4)]

21. Class AA biosolids that are stored for more than 45 days shall be re-sampled for fecal coliform or Salmonella sp. monthly. [62-640.650(3)(a)5]
22. Sampling and analysis shall be conducted in accordance with 40 CFR Part 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, August 1989. In cases where conflicts exist between 40 CFR 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in 40 CFR Part 503.8 will apply. [62-640.650(3)(a)1]
23. All samples shall be representative and shall be taken after final treatment of the biosolids but before land application or distribution and marketing. [62-640.650(3)(a)5]
24. Biosolids samples shall be taken at the monitoring site locations listed in Permit Condition(s) II.18, 19 and 20, as described below:

Monitoring Site Number	Description of Monitoring Site
RMP-A	Class A final product, after heat drying and prior land application
RMP-AA	Class AA final product, after heat drying and prior to distribution
RMP-B	Class B final product, after treatment and prior to land application

C. Distribution and Marketing

25. Biosolids or biosolids products may be distributed and marketed only if the biosolids or biosolids products meet Class AA standards and are either sold or given-away as a fertilizer under a Florida fertilizer law (or "subject to Chapter 576, F.S. and Chapter 5E-1, F.A.C.") or distributed and marketed to a person or entity that will sell or give-away the biosolids or biosolids products as a fertilizer under Florida fertilizer law (or "subject to Chapter 576, F.S. and Chapter 5E-1, F.A.C."). Biosolids composts that are enrolled and certified under the U.S. Composting Council's Seal of Testing Assurance (USCC STA) program do not have to be distributed and marketed as a fertilizer except if distributed and marketed within the Lake Okeechobee, St. Lucie River, and Caloosahatchee River watersheds.. [62-640.850]
26. Within 24 hours of discovering that distributed and marketed biosolids did not meet the Class AA standards, the permittee shall notify the Department and all persons to whom they delivered or distributed and marketed the Class AA biosolids. [62-640.650(6)(g)]
27. The permittee shall make the following information available to users by product labels or other means:
 - a. The fertilizer label required by Florida fertilizer law or the equivalent information required by the USCC STA program;
 - b. The name and address of the facility or person that produced the Class AA biosolids;

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- c. A statement that the biosolids or biosolids product meets the criteria of subsection 62-640.700(5), F.A.C.;
- d. Recommendation that biosolids be applied at a rate that does not exceed crop or plant nutrient needs and;
- e. Recommendations on proper storage of the biosolids or biosolids product prior to use. For distributed quantities of biosolids or biosolids products greater than one dry ton, the recommendations shall include that biosolids may not be stored on property for more than seven days unless stored to prevent runoff of biosolids or stormwater that has been in contact with biosolids, violation of the odor prohibition in subsection 62-296.320(2), F.A.C., and vector attraction.

[62-640.400(13), 62-640.850(5)]

D. Land Application at Permitted Sites

- 28. Land application of biosolids at the site shall be in accordance with the site permit, the Nutrient Management Plan, and the requirements of Chapter 62-640, F.A.C. *[62-640]*
- 29. The biosolids from this facility shall only be land applied at sites identified on the Treatment Facility Biosolids Plan, Form 62-640.210(2)(a), submitted with the permit application or revised in accordance with condition II.30 below, which is incorporated as part of this permit. *[62-640.300(2)]*
- 30. The permittee shall notify the Department at least 24 hours before beginning biosolids application at a site not listed in the Treatment Facility Biosolids Plan Form 62-640.210(2)(a). The facility's Treatment Facility Biosolids Plan shall be revised to include the new site and submitted to the Department within 30 days of using the site. The revised Treatment Facility Biosolids Plan shall become part of the treatment facility permit. *[62-640.300(2)(c) & 62-640.650(6)(a)]*
- 31. Land application of "other solids" as defined in Chapter 62-640, F.A.C., is only allowed if specifically addressed in the Nutrient Management Plan(s) approved for the site where the other solids will be applied. *[62-640.860]*
- 32. The permittee shall maintain hauling records to track the transport of biosolids between the treatment facility and the application site. The hauling records for each party shall contain the following information:

Treatment Facility Permittee	Site Permittee
1. Date and time shipped and shipment ID	1. Date and time received and shipment ID
2. Amount of biosolids shipped	2. Name and ID number of treatment facility from which biosolids are received
3. Concentration of parameters & date of analysis	3. Signature of hauler
4. Name and ID number of permitted application site	4. Signature of site manager
5. Class of biosolids shipped	
6. Signature of certified operator or designee	
7. Signature of hauler and name of hauling firm	

A copy of the treatment facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids site manager. The permittee shall report to the Department within 24 hours of discovery of any discrepancy in the delivery of biosolids leaving the treatment facility and arriving at the permitted application site. Treatment facility permittees shall notify the Department, site manager, and site permittee within 24 hours of discovery of sending biosolids that did not meet the requirements of Rule 62-640.600, F.A.C., or subsection 62-640.700(5), F.A.C., to a land application site.

[62-640.650(4) & (5)]

- 33. The permittee shall maintain copies of the Biosolids Application Site Annual Summaries, received from site permittees in accordance with 62-640.650(5)(e), F.A.C., indefinitely. *[62-640.650(5)(d)]*

34. The permittee shall submit a Treatment Facility Biosolids Annual Summary to the Department's Southwest District Office on Department Form 62-640.210(2)(b). The summary shall include all biosolids shipped during the period January 1 through December 31 and shall be submitted to the Department by February 19 of the year following the year of application. [62-640.650(5)(c)]

E. Disposal

35. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]

F. Transfer

36. The permittee shall not be held responsible for treatment, management, use, land application or disposal violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
37. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility	Biosolids Treatment Facility or Treatment Facility
1. Date and time shipped	1. Date and time received
2. Amount of biosolids shipped	2. Amount of biosolids received
3. Degree of treatment (if applicable)	3. Name and ID number of source facility
4. Name and ID Number of treatment facility	4. Signature of hauler
5. Signature of responsible party at source facility	5. Signature of responsible party at treatment facility
6. Signature of hauler and name of hauling firm	

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

G. Receipt

38. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. GROUND WATER REQUIREMENTS

1. The permittee shall give at least 72-hours' notice to the Department's Southwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Southwest District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]

4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]
5. For the Part III Public Access system, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for Land Application Site R-001 shall extend horizontally 100 feet from the application site(s) and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
6. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
7. If the concentration for any constituent listed in Permit Condition III.10. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
8. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.9., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600] [62-610.463]
9. The following monitoring wells shall be sampled for Reuse System R-001.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWC-01	SP-1 (Swann Park)	27	56	16	82	31	9	15	Surficial	Existing
MWC-02	SP-2 (Swann Park)	27	56	15	82	31	16	15	Surficial	Existing
MWC-03	GE-1 (Gorrie Elem.)	27	56	23	82	28	7	15	Surficial	Existing
MWC-04	GE-2 (Gorrie Elem.)	27	56	20	82	28	2	15	Surficial	Existing

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP = Piezometer

[62-520.600] [62-610.463]

10. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Arsenic, Total Recoverable	10	ug/L	Grab	Quarterly
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	In Situ	Quarterly
Sulfate, Total	250	mg/L	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Sodium, Total Recoverable	160	mg/L	Grab	Quarterly

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.310(5)]

11. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)] [62-610.463(3)(a)]
12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-601.700(5)]

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

13. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. [62-520.310(5)]
14. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.C.8. [62-520.600(11)(b)] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18)]
15. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Southwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Southwest District Office before installation. [62-520.600(6)(l)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area consisting of the City of Tampa service area as outlined on the map titled Section C-VIII Proposed City of Tampa Reclaimed Water Service Area. The following uses of reclaimed water are authorized within this general service area:

Aesthetic Purposes (Decorative Ponds, Pools, and Fountains)
Athletic Complexes and Parks
Construction Dust Control
Golf Courses
Other Landscape Irrigation
Residential Developments
Toilet Flushing

[62-620.630(10)(a)]

2. This reuse system includes the following major users (i.e., using 0.1 MGD or more of reclaimed water):

User Name	User Type	Capacity (MGD)	Acreage
STAR	Landscape / Residential	4.25	1,611
Phase A		1.3	
Tampa International Airport	Landscape/ Commercial	0.23	
Tampa Port Authority	Landscape/ Commercial	0.22	
Totals		6.0	

[62-610.800(5)][62-620.630(10)(b)]

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. [62-610.890]
4. Cross-connections to the potable water system are prohibited. [62-610.469(7)]

5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. [62-610.469(7)]
6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. [62-610.469(7)(h)]
7. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
 - a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
 - b. If the potable water system is contaminated, clear the potable water lines.
 - c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.
 - d. Test the affected area for other possible cross-connections.
 - e. Within 24 hours, notify the Department's Southwest District Office's domestic wastewater and drinking water programs.
 - f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Southwest District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

[62-555.350(3) and 62-555.360][62-620.610(20)]

8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. [62-610.469(7)]
9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. [62-610.471(3)]
10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. [62-610.471(1), (2), (5), and (7)]
11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. [62-610.469(4)]
12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. [62-610.471(6)]

13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*
14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*
15. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*
16. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*
17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
18. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

B. Part VII Industrial Uses of Reclaimed Water

1. Reclaimed water shall not be used in the manufacture or processing of food or beverage for human consumption where the reclaimed water will be incorporated into or come into contact with the food or beverage product. *[62-610.650(4)]*
2. Advisory signs shall be posted around the portions of the industrial site in which reclaimed water is used and at the main entrances to the industrial site to notify employees at the industrial site and the public of the nature of the reclaimed water use. *[62-610.658]*
3. Cross-connections to the potable water system are prohibited. *[62-610.660(1)]*
4. There shall be readily identifiable "non-potable" or "do not drink" notices, marking, or coding on application/distribution facilities and appurtenances. *[62-610.660(2)]*
5. The return of reclaimed water to the reclaimed water distribution system after it has been delivered to the industrial facility is prohibited. *[62-610.660(3)]*
6. A 300-foot setback distance shall be provided from the cooling tower that receives reclaimed water to the site property line. *[62-610.668(2)(c)]*
7. The cooling tower shall be designed and operated to minimize aerosol drift to areas beyond the site property line that are accessible to the public. *[62-610.668(2)(c)]*
8. The cooling tower shall be designed, operated, and maintained utilizing best engineering practices to control biological growth. *[62-610.668(2)(c)]*

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the biosolids use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least five years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of any required record drawings;
 - h. Copies of the licenses of the current certified operators;
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
 - j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

Improvement Action	Completion Date
Submit a permit revision for the Dibromochloromethane mixing zone	90 days after the final study plan final report is approved by the Department

[62-620.320(6)]

2. With the application for permit renewal, the permittee shall submit, to the Southwest District Office, the results of sampling monitoring wells specified in the Department-approved monitoring plan for the primary and secondary drinking water parameters included in Chapter 62-550, F.A.C., (excluding asbestos, acrylamide, Dioxin, butachlor, epichlorohydrin, pesticides, and PCBs, unless reasonably expected to be a constituent of the discharge or an artifact of the site). Sampling shall occur no sooner than 180 days before submittal of the renewal application. The Southwest District Office shall be notified prior to initiating the sampling as per permit condition VI.3, below. [62-520.600(5)(b)]
3. The facility shall provide a proposal to the Southwest District Office at least 180 days before submittal of the renewal application listing the applicable groundwater monitoring wells for the above renewal sampling. Upon approval by the Department sampling shall occur no sooner than 180 days before submittal of the renewal application. [62-520.600(5)(b)]
4. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
 - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
 - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.
Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3.A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. [62-620.335(1) - (4)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

A. Implementation Requirements

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. [62-625.500]
2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. [62-625.410]

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:
- Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;
 - Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;
 - Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4), F.A.C.; and
 - Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation in accordance with Rule 62-625.600(16), F.A.C. For new local limits, a plan of study shall be submitted to the Department prior to initiating sampling required to develop the new local limits. This evaluation shall be submitted to the Department at the address in the condition below within 180 days after permit renewal.

[62-625.400 and .500]

4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R for this facility, to the Department at the following address:

Florida Department of Environmental Protection
Domestic Wastewater Section, Mail Station 3540
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(f) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

In order to comply with Rule 62-625.600(8)(f), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on November 1 of each year, to cover a period between July 1 and June 30. [62-625.600(8) and (12)]

5. No additional facilities are covered by the Howard F. Curren AWTP (FL0020940) pretreatment program.
6. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
PRT-I	Junction chamber No. 1
PRT-E	Final effluent after dechlorination
PRT-R	De-watered sludge cake, prior to pelletization or land application

VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8) and 62-640.400(6)]
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.[62-604.130(5)]
5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-600.400(2)(b)]
6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]
8. The permittee shall provide verbal notice to the Department's Southwest District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]
9. Reopener Clause:
 - a. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345, F.A.C., if applicable, or to comply with any applicable effluent standard

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:

- (1) Contains different conditions or is otherwise more stringent than any condition in the permit/or;
 - (2) Controls any pollutant not addressed in the permit.
 - (3) The permit as revised or reissued under this paragraph shall also contain any other requirements of the Act then applicable.
- b. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, DEP approved changes in water quality standards, or other information show a need for a different limitation or monitoring requirement.
- c. The Department may develop a Total Maximum Daily Load (TMDL) during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.

[62-620.325 & 62-620.345]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted

facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]

17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.

[62-620.610(17)]

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
 - e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
 - f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The permittee shall report to the Department's Southwest District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 - a. The following shall be included as information which must be reported within 24 hours under this condition:
 - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
- (4) Any unauthorized discharge to surface or ground waters.
- b. Oral reports as required by this subsection shall be provided as follows:
 - (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph IX.20.(a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:
 - (a) Name, address, and telephone number of person reporting;
 - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
 - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - (e) Estimated amount of the discharge;
 - (f) Location or address of the discharge;
 - (g) Source and cause of the discharge;
 - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - (i) Description of area affected by the discharge, including name of water body affected, if any; and
 - (j) Other persons or agencies contacted.
 - (2) Oral reports, not otherwise required to be provided pursuant to subparagraph IX.20.b.1 above, shall be provided to the Department's Southwest District Office within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Southwest District Office shall waive the written report.

[62-620.610(20)]

- 21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. [62-620.610(21)]
- 22. Bypass Provisions.
 - a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
 - b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
 - c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.

PERMITTEE: City of Tampa Wastewater Department
FACILITY: City of Tampa - Howard F. Curren AWTP

PA FILE NUMBER: FL0020940-019-DW1P/NR

- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.
- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

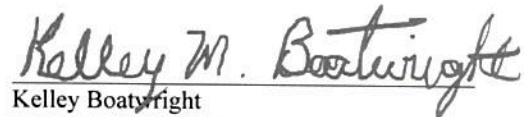
23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
 - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Kelley Boatwright
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curren AWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P

LIMIT: CLASS SIZE: Interim
MA
MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: D-001, including Influent
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement						
PARM Code 50050 Y Mon. Site No. FLW-05	Permit Requirement		96.0 (An.Avg.)	MGD		Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 I Mon. Site No. FLW-05	Permit Requirement		Report (Mo.Avg.)	MGD		Continuous	Flow Totalizer
Flow	Sample Measurement						
PARM Code 50050 P Mon. Site No. FLW-06	Permit Requirement		Report (An.Avg.)	MGD		Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 Q Mon. Site No. FLW-06	Permit Requirement		Report (Mo.Avg.)	MGD		Continuous	Flow Totalizer
Flow	Sample Measurement						
PARM Code 50050 R Mon. Site No. FLW-07	Permit Requirement		Report (An.Avg.)	MGD		Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 S Mon. Site No. FLW-07	Permit Requirement		Report (Mo.Avg.)	MGD		Continuous	Flow Totalizer

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: D-001
MONITORING PERIOD From: _____ To: _____

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 Y Mon. Site No. EFA-01	Permit Requirement			5.0 (An.Avg.)	mg/L		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 A Mon. Site No. EFA-01	Permit Requirement		10.0 (Max.)	7.5 (Max.Wk.Avg.)	mg/L		Daily; 24 hours	24-hr FPC
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 Y Mon. Site No. EFA-01	Permit Requirement			5.0 (An.Avg.)	mg/L		Monthly	Calculated
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 A Mon. Site No. EFA-01	Permit Requirement		10.0 (Max.)	7.5 (Max.Wk.Avg.)	mg/L		Daily; 24 hours	24-hr FPC
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 B Mon. Site No. EFB-01	Permit Requirement				mg/L		Daily	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 Y Mon. Site No. EFA-01	Permit Requirement			3.0 (An.Avg.)	mg/L		Monthly	Calculated
Nitrogen, Total	Sample Measurement							
PARM Code 00600 A Mon. Site No. EFA-01	Permit Requirement		6.0 (Max.)	4.5 (Max.Wk.Avg.)	mg/L		Daily; 24 hours	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 Y Mon. Site No. EFA-01	Permit Requirement			Report (An.Avg.)	mg/L		Monthly	Calculated
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 A Mon. Site No. EFA-01	Permit Requirement			Report (Mo.Avg.)	mg/L		Weekly	24-hr FPC
pH	Sample Measurement							
PARM Code 00400 I Mon. Site No. EFD-01	Permit Requirement		6.5 (Min.)	8.5 (Max.)	s.u.		Continuous	Meter

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: D-001
MONITORING PERIOD From: 01/01/2019 To: 12/31/2019
PERMIT NUMBER: FL0020940-019-DW1P

To:

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than detection PARM Code 51005 A Mon. Site No. EFA-01	Sample Measurement								
	Permit Requirement		75 (Min. Mo. Total)			percent		Monthly	Calculated
Coliform, Fecal PARM Code 74055 A Mon. Site No. EFA-01	Sample Measurement								
	Permit Requirement				25 (Max.)	#/100mL		Daily; 24 hours	Grab
Chlorine, Total Residual (For Disinfection) PARM Code 50060 A Mon. Site No. EFA-01	Sample Measurement								
	Permit Requirement		1.0 (Min.)			mg/L		Continuous	Meter
Chlorine, Total Residual (For Dechlorination) PARM Code 50060 I Mon. Site No. EFD-01	Sample Measurement								
	Permit Requirement				0.01 (Max.)	mg/L		Daily; 24 hours	Grab
Oxygen, Dissolved (DO) PARM Code 00300 I Mon. Site No. EFD-01	Sample Measurement								
	Permit Requirement		5.0 (Min.)			mg/L		Daily; 24 hours	Grab
Enterococci PARM Code 31639 A Mon. Site No. EFA-01	Sample Measurement								
	Permit Requirement								
Dichlorobromomethane PARM Code 32101 Y Mon. Site No. EFD-01	Sample Measurement				35 (Mo. Geo Mn.)	#/100mL		5/Month	Grab
	Permit Requirement								
Dichlorobromomethane PARM Code 32101 I Mon. Site No. EFD-01	Sample Measurement				33.0 (An. Avg.)	ug/L		Monthly	Calculated
	Permit Requirement								
Dibromochloromethane PARM Code 32105 Y Mon. Site No. EFD-01	Sample Measurement								
	Permit Requirement				Report (Mo. Avg.)	ug/L		Monthly	Grab
Dibromochloromethane PARM Code 32105 I Mon. Site No. EFD-01	Sample Measurement				60.0 (An. Avg.)	ug/L		Monthly	Calculated
	Permit Requirement								
PARM Code 32105 I Mon. Site No. EFD-01	Sample Measurement								
	Permit Requirement				Report (Mo. Avg.)	ug/L		Monthly	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curren AWWP

MONITORING GROUP NUMBER: D-001
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Total	Sample Measurement						
PARM Code 00600 P Mon. Site No. EFA-01	Permit Requirement	Report (Mo. Total)		ton/mth		Monthly	Calculated
Nitrogen, Total	Sample Measurement						
PARM Code 00600 Q Mon. Site No. EFA-01	Permit Requirement	319.8 (An. Total)		ton/yr		Monthly	Calculated
Nitrogen, Total	Sample Measurement						
PARM Code 00600 R Mon. Site No. EFA-01	Permit Requirement	213.2 (5Yr. Avg.)		ton/yr		Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 T Mon. Site No. FLW-04	Permit Requirement	96.0 (An. Avg.)		MGD		Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 U Mon. Site No. FLW-04	Permit Requirement	Report (3Mo. Avg.)		MGD		Continuous	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement						
PARM Code 00180 I Mon. Site No. FLW-04	Permit Requirement	Report (Mo. Avg.)	Report (Mo. Avg.)			Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement						
PARM Code 80082 G Mon. Site No. INF-01	Permit Requirement		Report (Mo. Avg.)			Weekly	24-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement						
PARM Code 00530 G Mon. Site No. INF-01	Permit Requirement		Report (Mo. Avg.)			Weekly	24-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curren AWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW/IP

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: D-001, including Influent
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

Parameter	Sample	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Measurement							
PARM Code 50050 Y	Permit							
Mon. Site No. FLW-05	Requirement	96.0 (An.Avg.)	MGD				Continuous	Flow Totalizer
Flow	Sample							
PARM Code 50050 I	Measurement							
Mon. Site No. FLW-05	Permit							
Flow	Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
PARM Code 50050 P	Sample							
Mon. Site No. FLW-06	Measurement							
Flow	Permit							
PARM Code 50050 Q	Requirement	Report (An.Avg.)	MGD				Continuous	Flow Totalizer
Mon. Site No. FLW-06	Sample							
Flow	Measurement							
PARM Code 50050 R	Permit							
Mon. Site No. FLW-07	Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
Flow	Sample							
PARM Code 50050 S	Measurement							
Mon. Site No. FLW-07	Permit							
Flow	Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):			

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: D-001

To: _____

From: _____

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 Y	Permit Requirement								
Mon. Site No. EFA-01					5.0 (An.Avg.)	mg/L		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 A	Permit Requirement								
Mon. Site No. EFA-01				10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L	Daily; 24 hours	24-hr FPC
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 Y	Permit Requirement								
Mon. Site No. EFA-01					5.0 (An.Avg.)	mg/L		Monthly	Calculated
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 A	Permit Requirement								
Mon. Site No. EFA-01				10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L	Daily; 24 hours	24-hr FPC
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 B	Permit Requirement								
Mon. Site No. EFB-01						5.0 (Max.)	mg/L	Daily	Grab
Nitrogen, Total	Sample Measurement								
PARM Code 00600 Y	Permit Requirement								
Mon. Site No. EFA-01					3.0 (An.Avg.)	mg/L		Monthly	Calculated
Nitrogen, Total	Sample Measurement								
PARM Code 00600 A	Permit Requirement								
Mon. Site No. EFA-01									
Phosphorus, Total (as P)	Sample Measurement								
PARM Code 00665 Y	Permit Requirement								
Mon. Site No. EFA-01				6.0 (Max.)	4.5 (Max.Wk.Avg.)	3.75 (Mo.Avg.)	mg/L	Daily; 24 hours	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement								
PARM Code 00665 A	Permit Requirement								
Mon. Site No. EFA-01					Report (An.Avg.)	mg/L		Monthly	Calculated
Phosphorus, Total (as P)	Sample Measurement								
PARM Code 00665 A	Permit Requirement								
Mon. Site No. EFA-01					Report (Mo.Avg.)	Report (Max.)	mg/L	Weekly	24-hr FPC
pH	Sample Measurement								
PARM Code 00400 I	Permit Requirement								
Mon. Site No. EFD-01				6.5 (Min.)		8.5 (Max.)	s.u.	Continuous	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWWP

MONITORING GROUP NUMBER: D-001
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW/IP

Parameter	Sample Measurement	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than	Sample Measurement									
PARM Code 51005 A	Permit Requirement				75 (Min. Mo. Total)		percent		Monthly	Calculated
Coliform, Fecal	Sample Measurement									
PARM Code 74055 A	Permit Requirement					25 (Max.)	#/100mL		Daily; 24 hours	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement									
PARM Code 50060 A	Permit Requirement				1.0 (Min.)		mg/L		Continuous	Meter
Chlorine, Total Residual (For Dechlorination)	Sample Measurement									
PARM Code 50060 I	Permit Requirement					0.01 (Max.)	mg/L		Daily; 24 hours	Grab
Oxygen, Dissolved (DO)	Sample Measurement									
PARM Code 00300 I	Permit Requirement				5.0 (Min.)		mg/L		Daily; 24 hours	Grab
Enterococci	Sample Measurement									
PARM Code 31639 A	Permit Requirement					35 (Mo. Geo. Mn.)	#/100mL		5/Month	Grab
Dichlorobromomethane	Sample Measurement									
PARM Code 32101 Y	Permit Requirement					33.0 (An. Avg.)	ug/L		Monthly	Calculated
Dichlorobromomethane	Sample Measurement									
PARM Code 32101 I	Permit Requirement					Report (Mo. Avg.)	ug/L		Monthly	Grab
Dibromochloromethane	Sample Measurement									
PARM Code 32105 Y	Permit Requirement					39.0 (An. Avg.)	ug/L		Monthly	Calculated
Dibromochloromethane	Sample Measurement									
PARM Code 32105 I	Permit Requirement					Report (Mo. Avg.)	ug/L		Monthly	Grab

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER:	D-001
MONITORING PERIOD	From:

City of Tampa-Howard F. Current AWIP

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curren AWWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: D-001, including Influent
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Quarterly
PROGRAM: Domestic

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Copper, Total Recoverable	Sample Measurement							
PARM Code 01119 I	Permit Requirement							
Mon. Site No. EFD-01	Sample Measurement				ug/L		Quarterly	24-hr FPC
7-DAY CHRONIC STATRE	Permit Requirement							
Ceriodaphnia dubia (Routine)	Sample Measurement							
PARM Code TRP3B P	Permit Requirement				percent		Quarterly	24-hr FPC
Mon. Site No. EFD-01	Sample Measurement							
7-DAY CHRONIC STATRE	Permit Requirement							
Ceriodaphnia dubia (Additional)	Sample Measurement							
PARM Code TRP3B Q	Permit Requirement				percent		As needed	As required by the permit
Mon. Site No. EFD-01	Sample Measurement							
7-DAY CHRONIC STATRE	Permit Requirement							
Ceriodaphnia dubia (Additional)	Sample Measurement							
PARM Code TRP3B R	Permit Requirement				percent		As needed	As required by the permit
Mon. Site No. EFD-01	Sample Measurement							
7-DAY CHRONIC STATRE	Permit Requirement							
Pimephales promelas (Routine)	Sample Measurement							
PARM Code TRP6C P	Permit Requirement				percent		Quarterly	24-hr FPC
Mon. Site No. EFD-01	Sample Measurement							
7-DAY CHRONIC STATRE	Permit Requirement							
Pimephales promelas (Additional)	Sample Measurement							
PARM Code TRP6C Q	Permit Requirement				percent		As needed	As required by the permit
Mon. Site No. EFD-01	Sample Measurement							
7-DAY CHRONIC STATRE	Permit Requirement							
Pimephales promelas (Additional)	Sample Measurement							
PARM Code TRP6C R	Permit Requirement				percent		As needed	As required by the permit
Mon. Site No. EFD-01	Sample Measurement							

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department MAILING ADDRESS: 2545 Guy N. Verger Boulevard Tampa, Florida 33605	PERMIT NUMBER: FL0020940-019-DW1P LIMIT: Final MA CLASS SIZE: R-001 and R-002 MONITORING GROUP NUMBER: Public Access Reuse System MONITORING GROUP DESCRIPTION: <input type="checkbox"/> RE-SUBMITTED DMR <input type="checkbox"/> NO DISCHARGE FROM SITE: <input type="checkbox"/> MONITORING PERIOD From: _____ To: _____	REPORT FREQUENCY: Monthly PROGRAM: Domestic
FACILITY: City of Tampa-Howard F. Curran AWTP LOCATION: 2700 Maritime Blvd Tampa, FL 33605-6744		
COUNTY: Hillsborough OFFICE: Southwest District		

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement						
PARM Code 50050 Y Mon. Site No. FLW-01	6.0 (An.Avg.)	MGD				Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 I Mon. Site No. FLW-01	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
Flow	Sample Measurement						
PARM Code 50050 P Mon. Site No. FLW-02	2.3 (An.Avg.)	MGD				Monthly	Calculated
Flow	Sample Measurement						
PARM Code 50050 Q Mon. Site No. FLW-02	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 Y Mon. Site No. EFA-01	20.0 (An.Avg.)			mg/L		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 A Mon. Site No. EFA-01	60.0 (Max.)		45.0 (Max. Wk.Avg.)	mg/L		Daily; 24 hours	24-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

FACILITY: City of Tampa-Howard F. Curren AWWTP

MONITORING GROUP NUMBER: R-001 and R-002

PERMIT NUMBER: FL0020940-019-DW1P

[illegible]

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curren AWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DWIP

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

LIMIT: Final
CLASS SIZE: MA

MONITORING GROUP NUMBER: R-003
MONITORING GROUP DESCRIPTION: Mosaic Fertilizer

RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐

MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
PARM Code 50050 Y								
Mon. Site No. FLW-03	4.32 (An.Avg.)	MGD					Monthly	Calculated
Flow	Sample Measurement							
PARM Code 50050 1								
Mon. Site No. FLW-03	Report (Mo.Avg.)	MGD					Continuous	Flow Totalizer
BOD, Carbonaceous 5 day, 20C								
PARM Code 80082 A			60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)		Daily, 24 hours	24-hr FPC
Mon. Site No. EFA-01								
BOD, Carbonaceous 5 day, 20C								
PARM Code 80082 Y				20.0 (An.Avg.)			Monthly	Calculated
Mon. Site No. EFA-01								
Solids, Total Suspended								
PARM Code 00530 A			60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)		Daily, 24 hours	24-hr FPC
Mon. Site No. EFA-01								
Solids, Total Suspended								
PARM Code 00530 Y				20.0 (An.Avg.)			Monthly	Calculated
Mon. Site No. EFA-01								

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

FACILITY: City of Tampa-Howard F. Curren AWWTP

PERMIT NUMBER: FL0020940-019-DW1P

MONITORING GROUP NUMBER: R-003
MONITORING PERIOD From:

To:

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH									
	Sample Measurement								
	Permit Requirement							Continuous	Meter
	Mon. Site No. EFD-01 Coliform, Fecal								
PARM Code 74055 Y Mon. Site No. EFA-01 Coliform, Fecal									
	Sample Measurement								
	Permit Requirement							Monthly	Calculated
	Mon. Site No. EFA-01 Coliform, Fecal								
PARM Code 74055 A Mon. Site No. EFA-01 Chlorine, Total Residual (For Disinfection)									
	Sample Measurement								
	Permit Requirement							Daily; 24 hours	Grab
	Mon. Site No. EFA-01 Chlorine, Total Residual (For Disinfection)								
PARM Code 50060 A Mon. Site No. EFA-01									
	Sample Measurement								
	Permit Requirement							Continuous	Meter
	Mon. Site No. EFA-01								

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
 MAILING ADDRESS: 2545 Guy N. Verger Boulevard
 Tampa, Florida 33605
 FACILITY: City of Tampa-Howard F. Curren AWTP
 LOCATION: 2700 Maritime Blvd
 Tampa, FL 33605-6744
 COUNTY: Hillsborough
 OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW/IP
 LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: RMP-A
 MONITORING GROUP DESCRIPTION: Class A final product, after heat drying and prior to distribution
 RE-SUBMITTED DMR: ☐
 NO DISCHARGE FROM SITE: ☐
 MONITORING PERIOD From: To:

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement							
PARM Code 78470 + Mon. Site No. RMP-A	Permit Requirement	Report (Max.)	percent				Monthly	Composite
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement							
PARM Code 78478 + Mon. Site No. RMP-A	Permit Requirement	Report (Max.)	percent				Monthly	Composite
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement							
PARM Code 78472 + Mon. Site No. RMP-A	Permit Requirement	Report (Max.)	percent				Monthly	Composite
Arsenic Total, Dry Weight, Sludge	Sample Measurement							
PARM Code 49565 + Mon. Site No. RMP-A	Permit Requirement			75.0 (Max.)	mg/kg		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement							
PARM Code 78476 + Mon. Site No. RMP-A	Permit Requirement			85.0 (Max.)	mg/kg		Monthly	Composite
Copper, Sludge, Tot, Dry Wt (as Cu)	Sample Measurement							
PARM Code 78475 + Mon. Site No. RMP-A	Permit Requirement			4300.0 (Max.)	mg/kg		Monthly	Composite

*EITHER THE FECAL COLIFORM LIMIT OR SALMONELLA SP. LIMIT MUST BE MET.

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RMP-A
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW/1P

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement							
PARM Code 78468 + Mon. Site No. RMP-A	Permit Requirement							
Mercury, Dry Weight, Sludge	Sample Measurement							
PARM Code 78471 + Mon. Site No. RMP-A	Permit Requirement							
Molybdenum, Dry Weight, Sludge	Sample Measurement							
PARM Code 78465 + Mon. Site No. RMP-A	Permit Requirement							
Nickel, Dry Weight, Sludge	Sample Measurement							
PARM Code 78469 + Mon. Site No. RMP-A	Permit Requirement							
Selenium Sludge Solid	Sample Measurement							
PARM Code 61518 + Mon. Site No. RMP-A	Permit Requirement							
Zinc, Dry Weight, Sludge	Sample Measurement							
PARM Code 78467 + Mon. Site No. RMP-A	Permit Requirement							
pH	Sample Measurement							
PARM Code 00400 + Mon. Site No. RMP-A	Permit Requirement							
Solids, Total, Sludge, Percent	Sample Measurement							
PARM Code 61553 + Mon. Site No. RMP-A	Permit Requirement							
Coliform, Fecal	Sample Measurement							
PARM Code 74055 + Mon. Site No. RMP-A	Permit Requirement							
Salmonella Sludge	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-A	Permit Requirement							

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
 MAILING ADDRESS: 2545 Guy N. Verger Boulevard
 Tampa, Florida 33605
 FACILITY: City of Tampa-Howard F. Curran AWTP
 LOCATION: 2700 Maritime Blvd
 Tampa, FL 33605-6744
 COUNTY: Hillsborough
 OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P
 LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: RMP-AA
 MONITORING GROUP DESCRIPTION: Class AA final product, after heat drying and prior to distribution
 RE-SUBMITTED DMR: ☐
 NO DISCHARGE FROM SITE: ☐
 MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement						
PARM Code 78470 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	percent				Monthly	Composite
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARM Code 78478 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	percent				Monthly	Composite
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARM Code 78472 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	percent				Monthly	Composite
Arsenic Total, Dry Weight, Sludge	Sample Measurement						
PARM Code 49565 + Mon. Site No. RMP-AA	Report (Mo. Avg.)		41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement						
PARM Code 78476 + Mon. Site No. RMP-AA	Report (Mo. Avg.)		39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt (as Cu)	Sample Measurement						
PARM Code 78475 + Mon. Site No. RMP-AA	Report (Mo. Avg.)		1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite

*EITHER THE FECAL COLIFORM LIMIT OR SALMONELLA SP. LIMIT MUST BE MET.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RMP-AA

PERMIT NUMBER: FL0020940-019-DW1P

MONITORING PERIOD From: To:

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement							
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement			300.0 (Mo. Avg.)	840.0 (Max.)		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement							
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement			17.0 (Mo. Avg.)	57.0 (Max.)		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement							
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement				75.0 (Max.)		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement							
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement			420.0 (Mo. Avg.)	420.0 (Max.)		Monthly	Composite
Selenium Sludge Solid	Sample Measurement							
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement			100.0 (Mo. Avg.)	100.0 (Max.)		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement							
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement			2800.0 (Mo. Avg.)	7500.0 (Max.)		Monthly	Composite
pH	Sample Measurement							
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement				Report (Max.)		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement							
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement			Report (Mo. Avg.)	Report (Max.)		Monthly	Composite
Coliform, Fecal	Sample Measurement							
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)	MPN/g				Monthly	Grab
Salmonella Sludge	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)	MPN/4g				Monthly	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

PERMIT NUMBER: FL0020940-019-DW1P

LIMIT: Final MA
CLASS SIZE: RMP-B
MONITORING GROUP NUMBER: Class B final product, after treatment and prior to land application

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

FACILITY: City of Tampa-Howard F. Curren AWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

MONITORING GROUP DESCRIPTION: ☐
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

COUNTY: Hillsborough
OFFICE: Southwest District

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement							
PARM Code 74055 + Mon. Site No. RMP-B	Permit Requirement		MPN/g				Bi-monthly; every 2 months	Grab
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement							
PARM Code 78470 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent				Bi-monthly; every 2 months	Composite
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement							
PARM Code 78478 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent				Bi-monthly; every 2 months	Composite
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement							
PARM Code 78472 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent				Bi-monthly; every 2 months	Composite
pH	Sample Measurement							
PARM Code 00400 + Mon. Site No. RMP-B	Permit Requirement						Bi-monthly; every 2 months	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement							
PARM Code 49565 + Mon. Site No. RMP-B	Permit Requirement			75.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RMP-B
MONITORING PERIOD From:

PERMIT NUMBER: FL0020940-019-DW1P

To:

[illegible]

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curran AWWP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RMP-Q
MONITORING GROUP DESCRIPTION: Biosolids Quantity
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Distributed & Marketed in FL) PARM Code B0004 + Mon. Site No. RMP-3	Sample Measurement Permit Requirement	dry tons				Monthly	Calculated
Biosolids Quantity (Distributed & Marketed outside FL) PARM Code B0005 + Mon. Site No. RMP-4	Sample Measurement Permit Requirement	dry tons				Monthly	Calculated
Biosolids Quantity (Land-Applied) PARM Code B0006 + Mon. Site No. RMP-1	Sample Measurement Permit Requirement	dry tons				Monthly	Calculated
Biosolids Quantity (Transferred) PARM Code B0007 + Mon. Site No. RMP-5	Sample Measurement Permit Requirement	dry tons				Monthly	Calculated
Biosolids Quantity (Landfilled) PARM Code B0008 + Mon. Site No. RMP-2	Sample Measurement Permit Requirement	dry tons				Monthly	Calculated

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curren AWWP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-I
MONITORING GROUP DESCRIPTION: Influent Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement								
PARM Code 00400 G	Permit Requirement								
Mon. Site No. PRT-I	Oil and Grease, hexane extr method		Report (Min.)		Report (Max.)	s.u.		Annually	Grab
PARM Code 00552 G	Sample Measurement								
Mon. Site No. PRT-I	Permit Requirement								
Benzene	Sample Measurement			Report (An.Avg.)	Report (Max.)	mg/L		Annually	Grab
PARM Code 34030 G	Permit Requirement								
Mon. Site No. PRT-I	Bromoform			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
PARM Code 32104 G	Sample Measurement								
Mon. Site No. PRT-I	Permit Requirement								
Carbon tetrachloride	Sample Measurement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
PARM Code 32102 G	Permit Requirement								
Mon. Site No. PRT-I	Chlorobenzene			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
PARM Code 34301 G	Sample Measurement								
Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):			

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample Measurement							
PARM Code 34306 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
Chloroethane	Sample Measurement							
PARM Code 85811 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
2-chloroethyl vinyl ether (mixed)	Sample Measurement							
PARM Code 34576 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
Chloroform	Sample Measurement							
PARM Code 32106 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
Dichlorobromomethane	Sample Measurement							
PARM Code 32101 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
1,2-dichlorobenzene	Sample Measurement							
PARM Code 34536 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
1,3-dichlorobenzene	Sample Measurement							
PARM Code 34566 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
1,4-dichlorobenzene	Sample Measurement							
PARM Code 34571 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
1,1-dichloroethane	Sample Measurement							
PARM Code 34496 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								
1,2-dichloroethane	Sample Measurement							
PARM Code 32103 G	Permit Requirement						Annually	Grab
Mon. Site No. PRT-I								

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To: PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,1-dichloroethylene	Sample Measurement							
PARM Code 34501 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
1,2-dichloropropane	Sample Measurement							
PARM Code 34541 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
1,3-dichloropropene	Sample Measurement							
PARM Code 77163 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
Ethylbenzene	Sample Measurement							
PARM Code 34371 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
Methyl bromide	Sample Measurement							
PARM Code 34413 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
Methyl chloride	Sample Measurement							
PARM Code 34418 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
Methylene chloride	Sample Measurement							
PARM Code 34423 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
1,1,2,2-tetrachloroethane	Sample Measurement							
PARM Code 34516 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
Tetrachloroethylene	Sample Measurement							
PARM Code 34475 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab
Toluene	Sample Measurement							
PARM Code 34010 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020940-019-DW1P

From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,2-trans-dichloroethylene	Sample Measurement							
PARM Code 34546 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	Grab
1,1,1-trichloroethane	Sample Measurement							
PARM Code 34506 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	Grab
1,1,2-trichloroethane	Sample Measurement							
PARM Code 34511 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	Grab
Trichloroethylene	Sample Measurement							
PARM Code 39180 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	Grab
Vinyl chloride	Sample Measurement							
PARM Code 39175 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	Grab
2-chlorophenol	Sample Measurement							
PARM Code 34586 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	24-hr FPC
2,4-dichlorophenol	Sample Measurement							
PARM Code 34601 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	24-hr FPC
2,4-dimethylphenol	Sample Measurement							
PARM Code 34606 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	24-hr FPC
4,6-dinitro-o-cresol	Sample Measurement							
PARM Code 34657 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	24-hr FPC
2,4-dinitrophenol	Sample Measurement							
PARM Code 34616 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2-nitrophenol	Sample							
PARM Code 34591 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
4-nitrophenol	Sample							
PARM Code 34646 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
p-chloro-m-cresol	Sample							
PARM Code 82627 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
Pentachlorophenol	Sample							
PARM Code 39032 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
Phenol, Single Compound	Sample							
PARM Code 34694 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
2,4,6-trichlorophenol	Sample							
PARM Code 34621 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
Acenaphthene	Sample							
PARM Code 34205 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
Acenaphthylene	Sample							
PARM Code 34200 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
Anthracene	Sample							
PARM Code 34220 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC
Benzidine	Sample							
PARM Code 39120 G	Measurement							
Mon. Site No. PRT-I	Permit Requirement						Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(a)anthracene	Sample Measurement							
PARM Code 34526 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Benzo(a)pyrene	Sample Measurement							
PARM Code 34247 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement							
PARM Code 79531 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Benzo(ghi)perylene	Sample Measurement							
PARM Code 34521 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Benzo(k)fluoranthene	Sample Measurement							
PARM Code 34242 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Bis (2-chloroethoxy) methane	Sample Measurement							
PARM Code 34278 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Bis (2-chloroethyl) ether	Sample Measurement							
PARM Code 34273 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Bis (2-chloroisopropyl) ether	Sample Measurement							
PARM Code 34283 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
Bis (2-ethylhexyl) phthalate	Sample Measurement							
PARM Code 39100 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								
4-bromophenyl phenyl ether	Sample Measurement							
PARM Code 34636 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Mon. Site No. PRT-I								

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Butyl benzyl phthalate	Sample Measurement								
PARM Code 34292 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
2-chloronaphthalene	Sample Measurement								
PARM Code 34581 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
4-chlorophenyl phenyl ether	Sample Measurement								
PARM Code 34641 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Chrysene	Sample Measurement								
PARM Code 34320 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Dibenzo (a,h) anthracene	Sample Measurement								
PARM Code 34556 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
3,3'-dichlorobenzidine	Sample Measurement								
PARM Code 34631 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Diethyl phthalate	Sample Measurement								
PARM Code 34336 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Dimethyl phthalate	Sample Measurement								
PARM Code 34341 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Di-n-butyl phthalate	Sample Measurement								
PARM Code 39110 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
2,4-dinitrotoluene	Sample Measurement								
PARM Code 34611 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

PERMIT NUMBER: FL0020940-019-DW1P

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
2,6-dinitrotoluene	Sample Measurement						
PARM Code 34626 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Di-n-octyl phthalate	Sample Measurement						
PARM Code 34596 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
1,2-diphenylhydrazine	Sample Measurement						
PARM Code 34346 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Fluoranthene	Sample Measurement						
PARM Code 34376 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Fluorene	Sample Measurement						
PARM Code 34381 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Hexachlorobenzene	Sample Measurement						
PARM Code 39700 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Hexachlorobutadiene	Sample Measurement						
PARM Code 39702 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Hexachlorocyclopentadiene	Sample Measurement						
PARM Code 34386 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Hexachloroethane	Sample Measurement						
PARM Code 34396 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Indeno (1,2,3-Cd) pyrene	Sample Measurement						
PARM Code 34403 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curran AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Isophorone	Sample Measurement								
PARM Code 34408 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Naphthalene	Sample Measurement								
PARM Code 34696 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Nitrobenzene	Sample Measurement								
PARM Code 34447 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodimethylamine	Sample Measurement								
PARM Code 34438 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodi-n-propylamine	Sample Measurement								
PARM Code 34428 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodiphenylamine	Sample Measurement								
PARM Code 34433 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenanthrene	Sample Measurement								
PARM Code 34461 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pyrene	Sample Measurement								
PARM Code 34469 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2,4-trichlorobenzene	Sample Measurement								
PARM Code 34551 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Aldrin	Sample Measurement								
PARM Code 39330 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWWP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DWIP

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Alpha-bhc	Sample Measurement							
PARM Code 39336 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
B-bhc-beta	Sample Measurement							
PARM Code 39338 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane)	Sample Measurement							
PARM Code 39782 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Delta benzene hexachloride	Sample Measurement							
PARM Code 34259 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)	Sample Measurement							
PARM Code 39350 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDT (p,p'-DDT)	Sample Measurement							
PARM Code 39300 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDE (p,p'-DDE)	Sample Measurement							
PARM Code 39320 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDD (p,p'-DDD)	Sample Measurement							
PARM Code 39310 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dieldrin	Sample Measurement							
PARM Code 39380 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
A-endosulfan-alpha	Sample Measurement							
PARM Code 34361 G Mon. Site No. PRT-I	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWWP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
			Report (An.Avg.)	Report (Max.)				
B-endosulfan-beta	Sample							
PARM Code 34356 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
Endosulfan sulfate	Measurement							
PARM Code 34351 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
Endrin	Measurement							
PARM Code 39390 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
Endrin aldehyde	Measurement							
PARM Code 34366 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
Heptachlor	Measurement							
PARM Code 39410 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
Heptachlor epoxide	Measurement							
PARM Code 39420 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
PCB-1242	Measurement							
PARM Code 39496 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
PCB-1254	Measurement							
PARM Code 39504 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
PCB-1221	Measurement							
PARM Code 39488 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC
PCB-1232	Measurement							
PARM Code 39492 G	Permit Requirement							
Mon. Site No. PRT-I	Sample				ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
PCB-1248	Sample Measurement							
PARM Code 39500 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
PCB-1260	Sample Measurement							
PARM Code 39508 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
PCB-1016	Sample Measurement							
PARM Code 34671 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Toxaphene	Sample Measurement							
PARM Code 39400 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Antimony, Total Recoverable	Sample Measurement							
PARM Code 01268 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Arsenic, Total Recoverable	Sample Measurement							
PARM Code 00978 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Beryllium, Total Recoverable	Sample Measurement							
PARM Code 00998 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Cadmium, Total Recoverable	Sample Measurement							
PARM Code 01113 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Chromium, Total Recoverable	Sample Measurement							
PARM Code 01118 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Copper, Total Recoverable	Sample Measurement							
PARM Code 01119 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-I
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
	Sample	Measurement		Report (An.Avg.)	Report (Max.)				
Lead, Total Recoverable	Sample	Measurement							
PARM Code 01114 G	Permit	Requirement							
Mon. Site No. PRT-I	Sample	Measurement						Annually	24-hr FPC
Mercury, Total Recoverable	Permit	Requirement							
PARM Code 71901 G	Sample	Measurement							
Mon. Site No. PRT-I	Permit	Requirement						Annually	Grab
Nickel, Total Recoverable	Sample	Measurement							
PARM Code 01074 G	Permit	Requirement							
Mon. Site No. PRT-I	Sample	Measurement							
Selenium, Total Recoverable	Permit	Requirement						Annually	24-hr FPC
PARM Code 00981 G	Sample	Measurement							
Mon. Site No. PRT-I	Permit	Requirement							
Silver, Total Recoverable	Sample	Measurement						Annually	24-hr FPC
PARM Code 01079 G	Permit	Requirement							
Mon. Site No. PRT-I	Sample	Measurement						Annually	24-hr FPC
Thallium, Total Recoverable	Permit	Requirement							
PARM Code 00982 G	Sample	Measurement							
Mon. Site No. PRT-I	Permit	Requirement						Annually	24-hr FPC
Zinc, Total Recoverable	Sample	Measurement							
PARM Code 01094 G	Permit	Requirement						Annually	24-hr FPC
Mon. Site No. PRT-I	Sample	Measurement							
Cyanide, Total Recoverable	Permit	Requirement							
PARM Code 78248 G	Sample	Measurement						Annually	24-hr FPC
Mon. Site No. PRT-I	Permit	Requirement							
Phenolic Compounds, Total Recoverable	Sample	Measurement						Annually	Grab
PARM Code 70029 G	Permit	Requirement							
Mon. Site No. PRT-I	Sample	Measurement						Annually	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curren AWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-E
MONITORING GROUP DESCRIPTION: Effluent Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Annually
PROGRAM: Domestic

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement					s.u.		Annually	Grab
PARM Code 00400 1 Mon. Site No. PRT-E	Permit Requirement		Report (Min.)		Report (Max.)				
Oil and Grease, hexane extr method	Sample Measurement								
PARM Code 00552 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/L		Annually	Grab
Benzene	Sample Measurement								
PARM Code 34030 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Bromoform	Sample Measurement								
PARM Code 32104 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Carbon tetrachloride	Sample Measurement								
PARM Code 32102 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chlorobenzene	Sample Measurement								
PARM Code 34301 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample							
PARM Code 34306 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
Chloroethane	Measurement							
PARM Code 85811 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
2-chloroethyl vinyl ether (mixed)	Measurement							
PARM Code 34576 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
Chloroform	Measurement							
PARM Code 32106 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
Dichlorobromomethane	Measurement							
PARM Code 32101 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
1,2-dichlorobenzene	Measurement							
PARM Code 34536 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
1,3-dichlorobenzene	Measurement							
PARM Code 34566 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
1,4-dichlorobenzene	Measurement							
PARM Code 34571 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
1,1-dichloroethane	Measurement							
PARM Code 34496 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							
1,2-dichloroethane	Measurement							
PARM Code 32103 1	Permit Requirement				Report (An.Avg.)	Report (Max.)	Annually	Grab
Mon. Site No. PRT-E	Sample							

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
1,1-dichloroethylene	Sample Measurement						
PARM Code 34501 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
1,2-dichloropropane	Sample Measurement						
PARM Code 34541 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
1,3-dichloropropene	Sample Measurement						
PARM Code 77163 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
Ethylbenzene	Sample Measurement						
PARM Code 34371 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
Methyl bromide	Sample Measurement						
PARM Code 34413 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
Methyl chloride	Sample Measurement						
PARM Code 34418 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
Methylene chloride	Sample Measurement						
PARM Code 34423 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
1,1,2,2-tetrachloroethane	Sample Measurement						
PARM Code 34516 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
Tetrachloroethylene	Sample Measurement						
PARM Code 34475 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab
Toluene	Sample Measurement						
PARM Code 34010 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)			Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,2-trans-dichloroethylene	Sample Measurement							
PARM Code 34546 1	Permit Requirement							
Mon. Site No. PRT-E	Sample Measurement							
1,1,1-trichloroethane	Permit Requirement							
PARM Code 34506 1	Sample Measurement							
Mon. Site No. PRT-E	Permit Requirement							
1,1,2-trichloroethane	Sample Measurement							
PARM Code 34511 1	Permit Requirement							
Mon. Site No. PRT-E	Sample Measurement							
Trichloroethylene	Permit Requirement							
PARM Code 39180 1	Sample Measurement							
Mon. Site No. PRT-E	Permit Requirement							
Vinyl chloride	Sample Measurement							
PARM Code 39175 1	Permit Requirement							
Mon. Site No. PRT-E	Sample Measurement							
2-chlorophenol	Permit Requirement							
PARM Code 34586 1	Sample Measurement							
Mon. Site No. PRT-E	Permit Requirement							
2,4-dichlorophenol	Sample Measurement							
PARM Code 34601 1	Permit Requirement							
Mon. Site No. PRT-E	Sample Measurement							
2,4-dimethylphenol	Permit Requirement							
PARM Code 34606 1	Sample Measurement							
Mon. Site No. PRT-E	Permit Requirement							
4,6-dinitro-o-cresol	Sample Measurement							
PARM Code 34657 1	Permit Requirement							
Mon. Site No. PRT-E	Sample Measurement							
2,4-dinitrophenol	Permit Requirement							
PARM Code 34616 1	Sample Measurement							
Mon. Site No. PRT-E	Permit Requirement							

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2-nitrophenol	Sample Measurement							
PARM Code 34591 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
4-nitrophenol	Sample Measurement							
PARM Code 34646 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
p-chloro-m-cresol	Sample Measurement							
PARM Code 82627 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
Pentachlorophenol	Sample Measurement							
PARM Code 39032 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
Phenol, Single Compound	Sample Measurement							
PARM Code 34694 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
2,4,6-trichlorophenol	Sample Measurement							
PARM Code 34621 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
Acenaphthene	Sample Measurement							
PARM Code 34205 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
Acenaphthylene	Sample Measurement							
PARM Code 34200 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
Anthracene	Sample Measurement							
PARM Code 34220 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								
Benzidine	Sample Measurement							
PARM Code 39120 1	Permit Requirement						Annually	24-hr FPC
Mon. Site No. PRT-E								

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To: PERMIT NUMBER: FL0020940-019-DWTP

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(a)anthracene	Sample Measurement										
PARM Code 34526 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(a)pyrene	Sample Measurement										
PARM Code 34247 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement										
PARM Code 79531 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(ghi)perylene	Sample Measurement										
PARM Code 34521 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(k)fluoranthene	Sample Measurement										
PARM Code 34242 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroethoxy) methane	Sample Measurement										
PARM Code 34278 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroethyl) ether	Sample Measurement										
PARM Code 34273 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroisopropyl) ether	Sample Measurement										
PARM Code 34283 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-ethylhexyl) phthalate	Sample Measurement										
PARM Code 39100 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-bromophenyl phenyl ether	Sample Measurement										
PARM Code 34636 1 Mon. Site No. PRT-E	Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

PERMIT NUMBER: FL0020940-019-DW1P

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Butyl benzyl phthalate	Sample Measurement							
PARM Code 34292 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2-chloronaphthalene	Sample Measurement							
PARM Code 34581 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-chlorophenyl phenyl ether	Sample Measurement							
PARM Code 34641 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chrysene	Sample Measurement							
PARM Code 34320 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dibenzo (a,h) anthracene	Sample Measurement							
PARM Code 34556 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
3,3'-dichlorobenzidine	Sample Measurement							
PARM Code 34631 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Diethyl phthalate	Sample Measurement							
PARM Code 34336 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dimethyl phthalate	Sample Measurement							
PARM Code 34341 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-butyl phthalate	Sample Measurement							
PARM Code 39110 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrotoluene	Sample Measurement							
PARM Code 34611 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0020940-019-DW1P

To:

From:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2,6-dinitrotoluene	Sample							
PARM Code 34626 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Di-n-octyl phthalate	Measurement							
PARM Code 34596 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
1,2-diphenylhydrazine	Measurement							
PARM Code 34346 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Fluoranthene	Measurement							
PARM Code 34376 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Fluorene	Measurement							
PARM Code 34381 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Hexachlorobenzene	Measurement							
PARM Code 39700 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Hexachlorobutadiene	Measurement							
PARM Code 39702 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Hexachlorocyclopentadiene	Measurement							
PARM Code 34386 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Hexachloroethane	Measurement							
PARM Code 34396 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							
Indeno (1,2,3-Cd) pyrene	Measurement							
PARM Code 34403 1	Permit Requirement							
Mon. Site No. PRT-E	Sample							

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

Parameter	Sample Measurement Permit Requirement	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
						Report (An.Avg.)	Report (Max.)				
Isophorone	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
Naphthalene	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
Nitrobenzene	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 34447 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
N-nitrosodimethylamine	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 34438 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
N-nitrosodi-n-propylamine	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 34428 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
N-nitrosodiphenylamine	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
Phenanthrene	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 34461 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
Pyrene	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 34469 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
1,2,4-trichlorobenzene	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 34551 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
Aldrin	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											
PARM Code 39330 1	Sample Measurement Permit Requirement					Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mon. Site No. PRT-E											

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Alpha-bhc	Sample Measurement							
PARM Code 39336 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
B-bhc-beta	Sample Measurement							
PARM Code 39338 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Gamma BHC (Lindane)	Sample Measurement							
PARM Code 39782 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Delta benzene hexachloride	Sample Measurement							
PARM Code 34259 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Chlordane (tech mix. and metabolites)	Sample Measurement							
PARM Code 39350 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
4,4'-DDT (p,p'-DDT)	Sample Measurement							
PARM Code 39300 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
4,4'-DDE (p,p'-DDE)	Sample Measurement							
PARM Code 39320 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
4,4'-DDD (p,p'-DDD)	Sample Measurement							
PARM Code 39310 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
Dieldrin	Sample Measurement							
PARM Code 39380 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC
A-endosulfan-alpha	Sample Measurement							
PARM Code 34361 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

PERMIT NUMBER: FLO020940-019-DW1P

MONITORING GROUP NUMBER: PRT-E
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
B-endosulfan-beta	Sample Measurement							
PARM Code 34356 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endosulfan sulfate	Sample Measurement							
PARM Code 34351 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin	Sample Measurement							
PARM Code 39390 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin aldehyde	Sample Measurement							
PARM Code 34366 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor	Sample Measurement							
PARM Code 39410 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide	Sample Measurement							
PARM Code 39420 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1242	Sample Measurement							
PARM Code 39496 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1254	Sample Measurement							
PARM Code 39504 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1221	Sample Measurement							
PARM Code 39488 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1232	Sample Measurement							
PARM Code 39492 1 Mon. Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren WWTTP

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0020940-019-DW1P

To: _____

From: _____

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
PCB-1248	Sample Measurement							
PARM Code 39500 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
PCB-1260	Sample Measurement							
PARM Code 39508 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
PCB-1016	Sample Measurement							
PARM Code 34671 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Toxaphene	Sample Measurement							
PARM Code 39400 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Antimony, Total Recoverable	Sample Measurement							
PARM Code 01268 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Arsenic, Total Recoverable	Sample Measurement							
PARM Code 00978 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Beryllium, Total Recoverable	Sample Measurement							
PARM Code 00998 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Cadmium, Total Recoverable	Sample Measurement							
PARM Code 01113 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Chromium, Total Recoverable	Sample Measurement							
PARM Code 01118 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC
Copper, Total Recoverable	Sample Measurement							
PARM Code 01119 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP PERMIT NUMBER: FL0020940-019-DWIP
 MONITORING GROUP NUMBER: PRT-E
 MONITORING PERIOD From: To:

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Total Recoverable	Sample Measurement									
PARM Code 01114 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	24-hr FPC
Mercury, Total Recoverable	Sample Measurement									
PARM Code 71901 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	Grab
Nickel, Total Recoverable	Sample Measurement									
PARM Code 01074 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	24-hr FPC
Selenium, Total Recoverable	Sample Measurement									
PARM Code 00981 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	24-hr FPC
Silver, Total Recoverable	Sample Measurement									
PARM Code 01079 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	24-hr FPC
Thallium, Total Recoverable	Sample Measurement									
PARM Code 00982 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	24-hr FPC
Zinc, Total Recoverable	Sample Measurement									
PARM Code 01094 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	24-hr FPC
Cyanide, Total Recoverable	Sample Measurement									
PARM Code 78248 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	Grab
Phenolic Compounds, Total Recoverable	Sample Measurement									
PARM Code 70029 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)		ug/L		Annually	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
MAILING ADDRESS: 2545 Guy N. Verger Boulevard
Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curran AWTP
LOCATION: 2700 Maritime Blvd
Tampa, FL 33605-6744

COUNTY: Hillsborough
OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-R
MONITORING GROUP DESCRIPTION: Residuals Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: To:

REPORT FREQUENCY: Annually
PROGRAM: Domestic

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Arsenic Total, Dry Weight, Sludge	Sample Measurement							
PARM Code 49565 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	mg/kg		Annually	Composite
Cadmium, Sludge, Tot. Dry Wt. (Cd)	Sample Measurement							
PARM Code 78476 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	mg/kg		Annually	Composite
Copper, Sludge, Tot. Dry Wt. (as Cu)	Sample Measurement							
PARM Code 78475 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	mg/kg		Annually	Composite
Lead, Dry Weight	Sample Measurement							
PARM Code 78468 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	mg/kg		Annually	Composite
Mercury, Dry Weight	Sample Measurement							
PARM Code 78471 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	mg/kg		Annually	Composite
Molybdenum, Dry Weight	Sample Measurement							
PARM Code 78465 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	mg/kg		Annually	Composite

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

FACILITY: City of Tampa-Howard F. Curren AWWTP

MONITORING GROUP NUMBER: PRT-R

MONITORING PERIOD From: To: PERMIT NUMBER: FL0020940-019-DW1P

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Tampa - Wastewater Department
 MAILING ADDRESS: 2545 Guy N. Verger Boulevard
 Tampa, Florida 33605

FACILITY: City of Tampa-Howard F. Curren AWTP
 LOCATION: 2700 Maritime Blvd
 Tampa, FL 33605-6744

COUNTY: Hillsborough
 OFFICE: Southwest District

PERMIT NUMBER: FL0020940-019-DW1P

CLASS SIZE: Final
 MA
 MONITORING GROUP NUMBER: RWS-A
 MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
 RE-SUBMITTED DMR: ☐
 NO DISCHARGE FROM SITE: ☐
 MONITORING NOT REQUIRED: ☐
 MONITORING PERIOD From: To:

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Antimony, Total Recoverable (GWS = 6)* PARM Code 01268 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						
Arsenic, Total Recoverable (GWS = 10) PARM Code 00978 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Barium, Total Recoverable (GWS = 2,000) PARM Code 01009 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Beryllium, Total Recoverable (GWS = 4) PARM Code 00998 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Cadmium, Total Recoverable (GWS = 5) PARM Code 01113 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Chromium, Total Recoverable (GWS = 100) PARM Code 01118 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.							
						Annually	24-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

FACILITY: City of Tampa-Howard F. Curran AWWP

MONITORING GROUP NUMBER: RWS-A
MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Cyanide, Free (amen. to chlorination)(GWS = 200) PARM Code 00722 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Fluoride, Total (as F) (GWS = 4.0/2.0) PARM Code 00951 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Lead, Total Recoverable (GWS = 15) PARM Code 01114 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Mercury, Total Recoverable (GWS = 2) PARM Code 71901 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Nickel, Total Recoverable (GWS = 100) PARM Code 01074 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Nitrogen, Nitrate, Total (as N) (GWS = 10) PARM Code 00620 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Nitrogen, Nitrite, Total (as N) (GWS = 1) PARM Code 00615 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) PARM Code 00630 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Selenium, Total Recoverable (GWS = 50) PARM Code 00981 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Sodium, Total Recoverable (GWS = 160) PARM Code 00923 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RWS-A
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Thallium, Total Recoverable (GWS = 2)	Sample Measurement									
PARM Code 00982 P	Permit Requirement						ug/L		Annually	24-hr FPC
Mon. Site No. RWS-A	Sample Measurement									
1,1-dichloroethylene (GWS = 7)	Permit Requirement						ug/L		Annually	Grab
PARM Code 34501 P	Sample Measurement									
Mon. Site No. RWS-A	Permit Requirement									
1,1,1-trichloroethane (GWS = 200)	Sample Measurement									
PARM Code 34506 P	Permit Requirement						ug/L		Annually	Grab
Mon. Site No. RWS-A	Sample Measurement									
1,1,2-trichloroethane (GWS = 5)	Permit Requirement						ug/L		Annually	Grab
PARM Code 34511 P	Sample Measurement									
Mon. Site No. RWS-A	Permit Requirement									
1,2-dichloroethane (GWS = 3)	Sample Measurement									
PARM Code 32103 P	Permit Requirement						ug/L		Annually	Grab
Mon. Site No. RWS-A	Sample Measurement									
1,2-dichloropropane (GWS = 5)	Permit Requirement									
PARM Code 34541 P	Sample Measurement						ug/L		Annually	Grab
Mon. Site No. RWS-A	Permit Requirement									
1,2,4-trichlorobenzene (GWS = 70)	Sample Measurement									
PARM Code 34551 P	Permit Requirement						ug/L		Annually	24-hr FPC
Mon. Site No. RWS-A	Sample Measurement									
Benzene (GWS = 1)	Permit Requirement									
PARM Code 34030 P	Sample Measurement						ug/L		Annually	Grab
Mon. Site No. RWS-A	Permit Requirement									
Carbon tetrachloride (GWS = 3)	Sample Measurement									
PARM Code 32102 P	Permit Requirement						ug/L		Annually	Grab
Mon. Site No. RWS-A	Sample Measurement									
Cis-1,2-dichloroethene (GWS = 70)	Permit Requirement									
PARM Code 81686 P	Sample Measurement						ug/L		Annually	Grab
Mon. Site No. RWS-A	Permit Requirement									

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FL0020940-019-DW1P

From: _____ To: _____

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Dichloromethane (methylene chloride)(GWS = 5) PARM Code 03821 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						
Ethylbenzene (GWS = 700) PARM Code 34371 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Monochlorobenzene (GWS = 100) PARM Code 34031 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
1,2-dichlorobenzene (GWS = 600) PARM Code 34536 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
1,4-dichlorobenzene (GWS = 75) PARM Code 34571 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Styrene, Total (GWS = 100) PARM Code 77128 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Tetrachloroethylene (GWS = 3) PARM Code 34475 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Toluene (GWS = 1,000) PARM Code 34010 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
1,2-trans-dichloroethylene (GWS = 100) PARM Code 34546 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Trichloroethylene (GWS = 3) PARM Code 39180 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWWP

MONITORING GROUP NUMBER: RWS-A

PERMIT NUMBER: FL0020940-019-DW1P

From:

To:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
	Sample	Measurement		Sample	Measurement				
Vinyl chloride (GWS = 1)	Sample	Measurement							
PARM Code 39175 P	Permit	Requirement							
Mon. Site No. RWS-A									
Xylenes (GWS = 10,000)	Sample	Measurement							
PARM Code 81551 P	Permit	Requirement							
Mon. Site No. RWS-A									
2,3,7,8-tetrachlorodibenzo-p-dioxin (GWS = 3x10 ⁻⁵)	Sample	Measurement							
PARM Code 34675 P	Permit	Requirement							
Mon. Site No. RWS-A									
2,4-dichlorophenoxyacetic acid (GWS = 70)	Sample	Measurement							
PARM Code 39730 P	Permit	Requirement							
Mon. Site No. RWS-A									
Silvex (GWS = 50)	Sample	Measurement							
PARM Code 39760 P	Permit	Requirement							
Mon. Site No. RWS-A									
Alachlor (GWS = 2)	Sample	Measurement							
PARM Code 39161 P	Permit	Requirement							
Mon. Site No. RWS-A									
Atrazine (GWS = 3)	Sample	Measurement							
PARM Code 39033 P	Permit	Requirement							
Mon. Site No. RWS-A									
Benzo(a)pyrene (GWS = 0.2)	Sample	Measurement							
PARM Code 34247 P	Permit	Requirement							
Mon. Site No. RWS-A									
Carbofuran (GWS = 40)	Sample	Measurement							
PARM Code 81405 P	Permit	Requirement							
Mon. Site No. RWS-A									
Chlordane (tech mix. and metabolites) (GWS = 2)	Sample	Measurement							
PARM Code 39350 P	Permit	Requirement							
Mon. Site No. RWS-A									

DISCHARGE MONITORING REPORT - PART A (Continued)

PERMIT NUMBER: FL0020940-019-DW1P

MONITORING GROUP NUMBER: RWS-A
MONITORING PERIOD From: To:

FACILITY: City of Tampa-Howard F. Curren AWTP

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Dalapon (GWS = 200) PARM Code 38432 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement							
Bis(2-ethylhexyl)adipate (GWS = 400) PARM Code 77903 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC
Bis(2-ethylhexyl) phthalate (GWS = 6) PARM Code 39100 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC
Dibromochloropropane (DBCP) (GWS = 0.2) PARM Code 82625 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC
Dinoseb (GWS = 7) PARM Code 30191 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	Grab
Diquat (GWS = 20) PARM Code 04443 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC
Endothall (GWS = 100) PARM Code 38926 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC
Endrin (GWS = 2) PARM Code 39390 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC
Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) PARM Code 77651 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	Grab
Glyphosate (GWS = 0.7) PARM Code 79743 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						Report (Max.)	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RWS-A
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Heptachlor (GWS = 0.4)	Sample								
PARM Code 39410 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Heptachlor epoxide (GWS = 0.2)	Sample								
PARM Code 39420 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Hexachlorobenzene (GWS = 1)	Sample								
PARM Code 39700 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene (GWS = 50)	Sample								
PARM Code 34386 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Gamma BHC (Lindane) (GWS = 0.2)	Sample								
PARM Code 39782 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Methoxychlor (GWS = 40)	Sample								
PARM Code 39480 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Oxamyl (vydate) (GWS = 200)	Sample								
PARM Code 38865 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Pentachlorophenol (GWS = 1)	Sample								
PARM Code 39032 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Picloram (GWS = 500)	Sample								
PARM Code 39720 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC
Polychlorinated Biphenyls (PCBs)(GWS = 0.5)	Sample								
PARM Code 39516 P Mon. Site No. RWS-A	Permit Requirement					ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Tampa-Howard F. Curren AWTP

MONITORING GROUP NUMBER: RWS-A
MONITORING PERIOD From: To:

PERMIT NUMBER: FL0020940-019-DW1P

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Simazine (GWS = 4) PARM Code 39055 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement						
Toxaphene (GWS = 3) PARM Code 39400 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Trihalomethane, Total by summation(GWS = 0.080) PARM Code 82080 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Radium 226 + Radium 228, Total (GWS = 5) PARM Code 11503 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	Grab
Alpha, Gross Particle Activity (GWS = 15) PARM Code 80045 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Aluminum, Total Recoverable (GWS = 0.2) PARM Code 01104 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Chloride (as Cl) (GWS = 250) PARM Code 00940 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Iron, Total Recoverable (GWS = 0.3) PARM Code 00980 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Copper, Total Recoverable (GWS = 1,000) PARM Code 01119 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC
Manganese, Total Recoverable (GWS = 50) PARM Code 11123 P Mon. Site No. RWS-A	Sample Measurement Permit Requirement					Annually	24-hr FPC

City of Tampa-Howard F. Curran AWWP

PERMIT NUMBER: FL0020940-019-DW1P

To:

[illegible]

DAILY SAMPLE RESULTS - PART B

City of Tampa-Howard F. Curren AWWP

Permit Number: FL0020940-019-DW1P

Monitoring Period: From To

Code	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) mg/L	Coliform, Fecal #/100mL	Enterococci #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	Solids, Total Suspended mg/L	Turbidity NTU	Chlorine, Total Residual (For Dechlorination) mg/L	Dibromochloro methane ug/L
Mon Site	80082 EFA-01	50060 EFA-01	74055 EFA-01	31639 EFA-01	00600 EFA-01	00665 EFA-01	00530 EFA-01	00530 EFA-01	00070 EFA-01	50060 EFA-01	32105 EFA-01
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Mo. Avg											

PLANT STAFFING

Day Shift Operator	Class:	Certificate No:	Name:
Evening Shift Operator	Class:	Certificate No:	Name:
Night Shift Operator	Class:	Certificate No:	Name:
Lead Operator	Class:	Certificate No:	Name:

DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020940-019-DW1P
 Monitoring Period: From _____ To _____
 Facility: City of Tampa-Howard F. Curran AWTP

Code	Mon. Site	Dichlorobromomethane ug/L	Oxygen, Dissolved (DO) mg/L	pH s u (minimum)	pH s u (maximum)	Flow MGD	Flow MGD	Flow MGD	Flow MGD	Flow MGD	Flow MGD	Flow MGD							
	32101	EFD-01	EFD-01	EFD-01	EFD-01	50050	FLW-01	50050	FLW-02	50050	FLW-03	50050	FLW-04	50050	FLW-05	50050	FLW-06	50050	FLW-07
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Mo. Avg																			

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____
 Evening Shift Operator Class: _____ Certificate No: _____ Name: _____
 Night Shift Operator Class: _____ Certificate No: _____ Name: _____
 Lead Operator Class: _____ Certificate No: _____ Name: _____

Permit Number: FL0020940-019-DW1P
 Facility: City of Tampa-Howard F. Curran AWTP
DAILY SAMPLE RESULTS - PART B

City of Tampa-Howard F. Curren AWWTP

FL0020940-019-DW1P

From:

Monitoring Period

[illegible]

PLANT STAFFING:			
Day Shift Operator	Class:	Certificate No	Name
Evening Shift Operator	Class:	Certificate No	Name
Night Shift Operator	Class:	Certificate No	Name
Lead Operator	Class:	Certificate No	Name

City of Tampa-Howard F. Curran AWTP
FL0020940-019-DW1P
Hillsborough
Southwest District

Monitoring Well ID:	MWC-01	Report Frequency:	Quarterly
Well Type:	Compliance	Program:	Domestic
Description:	SP-1 (Swann Park)		

Monitoring Period _____
From: _____ To: _____ Date Sample Obtained: _____
Time Sample Obtained: _____

Was the well purged before sampling?

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

City of Tampa-Howard F. Curren AWTP
FL0020940-019-DW1P
Hillsborough
Southwest District

Monitoring Well ID:	MWC-03
Well Type:	Compliance
Description:	GE-1 (Gorrie)
Re-submitted DMR:	<input type="checkbox"/>
Date Sample Obtained:	
Time Sample Obtained:	

Report Frequency: Quarterly
Program: Domestic

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling?

Yes ___ No ___

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

City of Tampa-Howard F. Curren AWTP
FL0020940-019-DW1P
Hillsborough
Southwest District

Monitoring Well ID:	MWC-04	Report Frequency:	Quarterly
Well Type:	Compliance	Program:	Domestic
Description:	GE-2 (Gorrie Elem.)		
Re-submitted DMR:	<input type="checkbox"/>		

Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? Yes ☐ No ☐

[illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when demonstrating compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. <0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number, however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).
Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall to date for this calendar year. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

**FACT SHEET
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0020940 (Major)

FACILITY NAME: Tampa City of - Howard F. Curren AWWTP

FACILITY LOCATION: 2700 Maritime Blvd, Tampa, FL 33605-6744
Hillsborough County

NAME OF PERMITTEE: City of Tampa - Wastewater Department

PERMIT WRITER: Astrid Flores Thiebaud

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0020940-019-DW1P

Application Submittal Date: May 22, 2015

Additional Information: July 30, 2015

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Municipal

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	96 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	96 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Residuals generated by this facility are heat dried to meet

Class AA or Class A standards for distribution and marketing or are dewatered for land application as a Class B residual.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Surface Water Discharge D-001: An existing 96.0 MGD AADF flow discharge to Hillsborough Bay (Upper), Class III Marine waters, (WBID# 1558E) which is approximately 141 feet in length and discharges at a depth of approximately 29.1 feet. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-002: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 4.5 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-002 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-003: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 6.8 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-003 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Mixing zone: The permittee is granted a mixing zone for Dichlorobromomethane and Dibromochloromethane for the effluent discharge at Outfalls D-001, D-002 and D-003. The mixing zone for Dichlorobromomethane has a circular area of 1.0 meter radius, with a total surface area of 3.14 square meters, centered over the outfall(s). The mixing zone for Dibromochloromethane has a circular area of 1.17 meters radius, with a total surface area of 4.3 square meters, centered over the outfall(s).

REUSE:

Land Application R-001: An existing 6.0 MGD AADF permitted capacity slow-rate public access system (City of Tampa Public Access Reuse System) consisting of the City of Tampa service area as outlined on attachment VI on the permit application.

Industrial Reuse R-002: An existing 2.3 MGD AADF permitted capacity Part VII industrial reuse system providing Part III quality reclaimed water for use as cooling water and minor irrigation at the City of Tampa Reuse to Energy Facility (McKay Bay Facility). R-002 is located approximately at latitude 27°56' 56" N, longitude 82°25' 19" W.

Industrial Reuse R-003: An existing 4.32 MGD annual average daily flow permitted industrial reuse system (R-003) providing secondary treatment reclaimed water to a closed-loop system for heating purposes at Mosaic Fertilizer, LLC (Formerly CF Industries). R-003 is located approximately at latitude 27°55' 02" N, longitude 82°26' 14" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

- a. This facility does not have a new or expanded discharge to surface waters.
- b. The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.
- c. The following exceedances were noted during the previous permit cycle at Outfall D-001:

Date	Parameters	Value	Limit	Units
5/31/12	IC25 Statre 7day Chronic Ceriodaphnia	6.6	100	percent
10/31/12	IC25 Statre 7day Chronic Ceriodaphnia	19	100	percent

1/31/13	IC25 Statre 7day Chronic Ceriodaphnia	7.8	100	percent
10/31/13	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent
7/31/14	IC25 Statre 7day Chronic Ceriodaphnia	86	100	percent
10/31/14	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent
8/31/12	pH	6.4	6.5 (min)	s.u.
9/30/12	pH	6.3	6.5 (min)	s.u.
10/31/14	pH	6.3	6.5 (min)	s.u.
10/31/12	Total Recoverable Cooper	3.9	3.7	ug/L
1/31/13	Total Recoverable Cooper	4.4	3.7	ug/L
4/30/13	Total Recoverable Cooper	4.3	3.7	ug/L
11/30/13	Coliform, Fecal, % less than detection	63	75	percent
12/31/13	Coliform, Fecal	77	25	#/100mL
10/31/14	Coliform, Fecal	34	25	#/100mL
9/30/13	Chlorine, Total Residual	.1	0.01(max)	mg/L
8/31/14	Chlorine, Total Residual	.1	0.01(max)	mg/L
12/31/14	Chlorine, Total Residual	1	0.01(max)	mg/L
1/31/13	Chlorine, Total Residual	.12	1.0 (min)	mg/L
8/31/13	Chlorine, Total Residual	.01	1.0 (min)	mg/L
10/31/14	Chlorine, Total Residual	.19	1.0 (min)	mg/L
12/31/14	Chlorine, Total Residual	.87	1.0 (min)	mg/L
1/31/13	Chlorodibromomethane	42.3	39	ug/L
2/28/13	Chlorodibromomethane	42.8	39	ug/L
3/31/13	Chlorodibromomethane	44.7	39	ug/L
4/30/13	Chlorodibromomethane	45	39	ug/L
5/31/13	Chlorodibromomethane	43.5	39	ug/L
6/30/13	Chlorodibromomethane	43.1	39	ug/L
7/1/13	Chlorodibromomethane	43.1	39	ug/L
7/31/13	Chlorodibromomethane	44.5	39	ug/L
8/31/13	Chlorodibromomethane	46	39	ug/L
9/30/13	Chlorodibromomethane	44.3	39	ug/L
10/31/13	Chlorodibromomethane	47.3	39	ug/L
11/30/13	Chlorodibromomethane	49.3	39	ug/L
12/31/13	Chlorodibromomethane	49.7	39	ug/L
1/31/14	Chlorodibromomethane	49.3	39	ug/L
2/28/14	Chlorodibromomethane	49.1	39	ug/L
3/31/14	Chlorodibromomethane	47.8	39	ug/L
4/30/14	Chlorodibromomethane	46.8	39	ug/L
5/31/14	Chlorodibromomethane	45.6	39	ug/L

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

a. This facility is authorized to discharge effluent from Outfall D-001 to Hillsborough Bay (Upper) and Outfalls D-002 and D-003 to Ybor City Drain based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (D-001)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-001)	MGD	Max	96.0	Annual Average	62-600.400(3)(b) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow (D-002)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-002)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	403.086(4)(a)1. FS & 62-600.740(1)(b)2.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	403.086(4)(a)2. FS & 62-600.740(1)(b)2.a. FAC
Solids, Total Suspended	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
Solids, Total Suspended	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-600.440(5)(f)3. FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	403.086(4)(a)3. FS & 62-600.740(1)(b)2.a. FAC
Nitrogen, Total	mg/L	Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
Nitrogen, Total	mg/L	Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Nitrogen, Total	mg/L	Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	403.086(4) FS (Phosphorus waiver)
Phosphorus, Total (as P)	mg/L	Max	Report	Monthly Average	403.086(4) FS
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	403.086(4). FS
pH	s.u.	Min	6.5	Single Sample	62-600.445 & 62-302.530 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 & 62-302.530 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b) FAC
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	62-600.440(2) & 62-302.530 FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	62-302.533 FAC
Enterococci	#/100mL	Max	35	Monthly Geometric Mean	403.0885(2), FS
Enterococci	#/100mL	Max	276	Single Sample	403.0885(2), FS
Copper, Total Recoverable	ug/L	Max	3.7	Single Sample	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	33.0	Annual Average	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	39.0	Annual Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Nitrogen, Total	ton/yr	Max	319.8	Annual Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Nitrogen, Total	ton/yr	Max	213.2	5 Year Average	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC

- (1) Effluent limitations are based on a Level I WQBEL developed by District staff and available in the District permit files. Additionally, effluent limitations are based on Rule 62-302, F.A.C.-Class III Marine Standards, Rule 62-600, F.A.C. and 403.086, F.S.
- (2) Advanced Wastewater Treatment with high-level disinfection is required by Section 403.086(1)(c), F.S., for discharged effluent from this facility.
- (3) This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.
- (4) The receiving waters (Hillsborough Bay (Upper), WBID 1558E, and Ybor City Drain, WBID 1584A) were considered during the numeric nutrient criteria (NNC) evaluation for this facility.
- (5) Ybor City Drain -WBID 1584A is on the EPA 303D list for Dissolved Oxygen (Nutrients), Fecal Coliform, Biochemical Oxygen Demand (BOD), and Chemical Oxygen Demand (COD). Additionally, WBIDs 1584A is on the FDEP verified impaired list for dissolved oxygen (nutrients) and Fecal Coliform.
- (6) The receiving stream (Hillsborough Bay (Upper), WBID 1558E) is on the EPA 303D list for dissolved oxygen (Nutrients). Additionally, WBID 1558E is on the FDEP verified impaired list for dissolved oxygen and nutrients.
- (7) The permit requires sampling for total nitrogen and total phosphorus, with permit limits that are established by Florida Statute (403.086, F.S.) and Rule 62-600.740, F.A.C. Total nitrogen and total phosphorus concentration limits remain the same as in the previous permit. There is no increase in permitted surface water discharge capacity for this facility, therefore no increase in nutrient loading is anticipated. Phosphorus is not a limiting nutrient for the receiving waters, therefore this facility qualifies for the phosphorus waiver under 403.086, F.S., and the phosphorus concentration limit is listed as report only.
- (8) Total Nitrogen loading limitations are based on the facility allocation in the Final Order Adopting Water Quality Based Effluent Limits (WQBEL) for Point Source Discharges to the Tampa Bay Watershed. The loading limits established by the WQBEL ensure compliance with the numeric nutrient criteria established for Tampa Bay in Rule 62-302.532, F.A.C. In accordance with the WQBEL, the five year average total nitrogen load shall not exceed 213.20 tons/year.
- (9) Tampa Bay is nitrogen-limited, therefore loading allocations in the WQBEL for Tampa Bay were established for Total Nitrogen only. Continued monitoring by the Department and the Tampa Bay Estuary program indicate the attainment of NNC in Tampa Bay.
- (10) This facility is required to conduct chronic toxicity testing for this discharge based on conditions carrying over from the previous permit
- (11) There is a statewide TMDL for mercury. The existing Industrial Pretreatment Plan incorporates the mercury minimization plan requirements of the statewide TMDL for mercury.

(12) The exceedances of Dichlorobromomethane and Dibromochloromethane are currently being addressed through the consent order discussed further below. The facility has requested to revise the existing mixing zones, which has been included as a scheduled item.

b. This facility is authorized to direct reclaimed water to Reuse System R-001 and R-002, a slow-rate public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	6.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	2.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

This facility is authorized to direct reclaimed water to Reuse System R-003, an industrial reuse system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	4.32	Annual Average	62-600.400(3)(b); 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b); 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC

Parameter	Units	Max /Min	Limit	Statistical Basis	Rationale
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	62-610.652 & 62-600.740(1)(b)1.a. FAC
Solids, Total Suspended	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
Solids, Total Suspended	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
Solids, Total Suspended	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	62-610.510 & 62-600.440(4)(c)1. FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
Coliform, Fecal	#/100mL	Max	800	Single Sample	62-600.440(4)(c)4. FAC
Chlorine, Total Residual	mg/L	Max	0.5	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	96	Annual Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	3-Month Rolling Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0020940-015-DW1P and associated revisions FL0020940-016-DW1P, FL0020940-017-DW1P, and FL0020940-018-DW1P expires on November 23, 2015. The following items changed from the current permit:

- The facility requested to adjust the 12 month rolling total and the 5-year average of the yearly totals to 319.8 and 213.2 tons/year, respectively. This is consistent with the nitrogen load allocation for this facility in the Tampa Bay WQBEL.
- The facility requested to remove the Total Recoverable Nickel from the surface water monitoring requirements. The available data was entered into the reasonable assurance verification worksheet and the theoretical maximum sampling result was 56% of the parameter limit, therefore this parameter has been removed from the surface water sampling requirements.

- c) Reporting of ground water monitoring results for Specific Conductance, Dissolved Oxygen and Temperature were removed from the groundwater monitoring plan as these parameters are used to demonstrate sample stability. Therefore, these parameters are not required to be reported on the DMRs, however the field parameters are recorded on sampling field sheets for quality assurance and quality control purposes (QA/QC).
- d) The facility requested to remove three groundwater parameters from the permit monitoring requirements; Total Recoverable Cadmium, Total Recoverable Chromium, and Total Recoverable Lead. Removal of these three parameters was based on the Department evaluation of the data collected for 23 consecutive quarters from 06/01/09 to 12/31/14. The monitoring results for these metals were consistently below the regulatory limits for groundwater, therefore, the data was analyzed through the reasonable assurance verification worksheet (RAV). Based on the results of the RAV and best professional judgement, these parameters were removed from the groundwater monitoring plan.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be land applied, distributed and marketed, transferred to Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the Class A and Class B biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Coliform, Fecal	CFU /g	Max	1,000.0	Single Sample	62-640.600(1)(b) FAC
Coliform, Fecal	CFU/g	Max	2,000,000	Geometric Mean	62-640.600(1)(b) FAC
Temperature	°F	Min	Report	Weekly	40 CFR Part 503
Time	Days	Min	Report	Weekly	40 CFR Part 503
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(1)(b) FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Monitoring Frequency	All Parameters			62-640.650(3)(a)4. FAC	
Pathogen and vector attraction reduction monitoring	All Parameters			62-640.600 & 650(3)(a)1. FAC	

See the table below for the rationale for the Class AA biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	41.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	39.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	1500.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	300.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	17.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	2800.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	62-640.600(1)(a) FAC
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	62-640.600(1)(a) FAC
Monitoring Frequency			All Parameters		62-640.650(3)(a)4. & .850(4)(c) FAC
Pathogen and vector attraction reduction monitoring			All Parameters		62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Distributed & Marketed in FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Distributed & Marketed outside FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C.

7. PERMIT SCHEDULES

Permit renewal information is contained in the permit schedule. A permit revision requirement is in the permit schedule for the dibromochloromethane mixing zone once the mixing zone plan of study is complete and approved by the Department.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This facility has entered into CO-14-0156, executed 06/12/2014, with the Department, which includes a schedule of compliance. The Consent Order addresses the exceedances of Dibromochloromethane (Chlorodibromomethane). The current permit limitation based on the existing mixing zone is an annual average of 39 ug/L. The Consent Order Interim Limit is 60 ug/L, annual average, for a period of twenty-four months. The Consent Order requires a mixing zone plan of study to assess the availability of mixing in the receiving waters to allow for adjustment of the permitted mixing zone size and effluent limitations.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 14. Copies will be provided at a minimal charge per page.

12. CHANGES FROM THE NOTICE OF DRAFT (NOD) TO FINAL PERMIT

On November 17, 2015, the Department received Minor typographical edits from the permittee. Edits were made accordingly.

The Department received comments from EPA on the Notice of Draft permit on October 30, November 16 and 17, 2015. All the comments were addressing on November 12, 13, 16 and 17, 2015. EPA concurred with the Department on November 17, 2015. All the correspondences are available for review or inspection on OCULUS.

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	October 8, 2015
Public Comment Period	Beginning: October 8, 2015 Ending: November 17, 2015
Notice of Permit Issuance	November 2015

14. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Astrid Flores Thiebaud
Engineer IV
Southwest District Office
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926
Telephone No.: (813) 470-5760

**FACT SHEET
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0020940 (Major)

FACILITY NAME: Tampa City of - Howard F. Curren AWWTP

FACILITY LOCATION: 2700 Maritime Blvd, Tampa, FL 33605-6744
Hillsborough County

NAME OF PERMITTEE: City of Tampa - Wastewater Department

PERMIT WRITER: Astrid Flores Thiebaud

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0020940-019-DW1P

Application Submittal Date: May 22, 2015

Additional Information: July 30, 2015

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Municipal

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	96 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	96 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 96.0 MGD Annual Average Daily Flow (AADF) permitted capacity Type I two-stage, high rate (pure oxygen and fine bubble aeration) activated sludge biological nitrification/denitrification domestic wastewater treatment plant. The facility has the capability to operate in a number of modes as described in the submitted basis of design. The facility includes the following units: Pre-aeration with odor control consisting of three tanks of 0.670 MG total volume, mechanical screening and grit removal consisting of eight tanks of 0.727 MG total volume, eight primary sedimentation tanks of 50,464 square feet total surface area and 4.94 MG total volume, six pure oxygen reactors of 7.62 MG total volume, twelve carbonaceous sedimentation tanks of 201,552 square feet total surface area and 18.08 MG total volume, four nitrification reactors of 8.48 MG total volume, eight final sedimentation tanks of 134,368 square feet total surface area and 12.00 MG total volume, thirty-two coarse sand, denitrification filters of 33,600 square feet total surface area, three chlorine contact chambers of 2.38 MG total volume with post aeration, and dechlorination facilities, two gravity sludge thickeners of 0.350 MG total volume, seven anaerobic digesters of 9.87 MG total volume, sludge storage tanks, eight belt filter presses, sludge heat drying facility and fifty-seven sludge drying beds and other associated facilities.

This plant is operated to achieve Advanced Wastewater Treatment (AWT), with high-level disinfected and dechlorinated effluent discharged to Hillsborough Bay. Residuals generated by this facility are heat dried to meet

Class AA or Class A standards for distribution and marketing or are dewatered for land application as a Class B residual.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Surface Water Discharge D-001: An existing 96.0 MGD AADF flow discharge to Hillsborough Bay (Upper), Class III Marine waters, (WBID# 1558E) which is approximately 141 feet in length and discharges at a depth of approximately 29.1 feet. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-002: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 4.5 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-002 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Surface Water Discharge D-003: An existing intermittent discharge to Ybor City Drain, Class III Marine waters, (WBID# 1584A) which discharges at a depth of approximately 6.8 feet. Ybor City Drain flows into WBID 1558E of Hillsborough Bay (Upper). Outfall D-003 shall only discharge as result of flows to the treatment plant in excess of approximately 100 MGD coupled with extreme high tide conditions. The point of discharge is located approximately at latitude 27°54' 41" N, longitude 82°26' 27" W.

Mixing zone: The permittee is granted a mixing zone for Dichlorobromomethane and Dibromochloromethane for the effluent discharge at Outfalls D-001, D-002 and D-003. The mixing zone for Dichlorobromomethane has a circular area of 1.0 meter radius, with a total surface area of 3.14 square meters, centered over the outfall(s). The mixing zone for Dibromochloromethane has a circular area of 1.17 meters radius, with a total surface area of 4.3 square meters, centered over the outfall(s).

REUSE:

Land Application R-001: An existing 6.0 MGD AADF permitted capacity slow-rate public access system (City of Tampa Public Access Reuse System) consisting of the City of Tampa service area as outlined on attachment VI on the permit application.

Industrial Reuse R-002: An existing 2.3 MGD AADF permitted capacity Part VII industrial reuse system providing Part III quality reclaimed water for use as cooling water and minor irrigation at the City of Tampa Reuse to Energy Facility (McKay Bay Facility). R-002 is located approximately at latitude 27°56' 56" N, longitude 82°25' 19" W.

Industrial Reuse R-003: An existing 4.32 MGD annual average daily flow permitted industrial reuse system (R-003) providing secondary treatment reclaimed water to a closed-loop system for heating purposes at Mosaic Fertilizer, LLC (Formerly CF Industries). R-003 is located approximately at latitude 27°55' 02" N, longitude 82°26' 14" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

- a. This facility does not have a new or expanded discharge to surface waters.
- b. The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.
- c. The following exceedances were noted during the previous permit cycle at Outfall D-001:

Date	Parameters	Value	Limit	Units
5/31/12	IC25 Statre 7day Chronic Ceriodaphnia	6.6	100	percent
10/31/12	IC25 Statre 7day Chronic Ceriodaphnia	19	100	percent

1/31/13	IC25 Statre 7day Chronic Ceriodaphnia	7.8	100	percent
10/31/13	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent
7/31/14	IC25 Statre 7day Chronic Ceriodaphnia	86	100	percent
10/31/14	IC25 Statre 7day Chronic Ceriodaphnia	8.3	100	percent
8/31/12	pH	6.4	6.5 (min)	s.u.
9/30/12	pH	6.3	6.5 (min)	s.u.
10/31/14	pH	6.3	6.5 (min)	s.u.
10/31/12	Total Recoverable Cooper	3.9	3.7	ug/L
1/31/13	Total Recoverable Cooper	4.4	3.7	ug/L
4/30/13	Total Recoverable Cooper	4.3	3.7	ug/L
11/30/13	Coliform, Fecal, % less than detection	63	75	percent
12/31/13	Coliform, Fecal	77	25	#/100mL
10/31/14	Coliform, Fecal	34	25	#/100mL
9/30/13	Chlorine, Total Residual	.1	0.01(max)	mg/L
8/31/14	Chlorine, Total Residual	.1	0.01(max)	mg/L
12/31/14	Chlorine, Total Residual	1	0.01(max)	mg/L
1/31/13	Chlorine, Total Residual	.12	1.0 (min)	mg/L
8/31/13	Chlorine, Total Residual	.01	1.0 (min)	mg/L
10/31/14	Chlorine, Total Residual	.19	1.0 (min)	mg/L
12/31/14	Chlorine, Total Residual	.87	1.0 (min)	mg/L
1/31/13	Chlorodibromomethane	42.3	39	ug/L
2/28/13	Chlorodibromomethane	42.8	39	ug/L
3/31/13	Chlorodibromomethane	44.7	39	ug/L
4/30/13	Chlorodibromomethane	45	39	ug/L
5/31/13	Chlorodibromomethane	43.5	39	ug/L
6/30/13	Chlorodibromomethane	43.1	39	ug/L
7/1/13	Chlorodibromomethane	43.1	39	ug/L
7/31/13	Chlorodibromomethane	44.5	39	ug/L
8/31/13	Chlorodibromomethane	46	39	ug/L
9/30/13	Chlorodibromomethane	44.3	39	ug/L
10/31/13	Chlorodibromomethane	47.3	39	ug/L
11/30/13	Chlorodibromomethane	49.3	39	ug/L
12/31/13	Chlorodibromomethane	49.7	39	ug/L
1/31/14	Chlorodibromomethane	49.3	39	ug/L
2/28/14	Chlorodibromomethane	49.1	39	ug/L
3/31/14	Chlorodibromomethane	47.8	39	ug/L
4/30/14	Chlorodibromomethane	46.8	39	ug/L
5/31/14	Chlorodibromomethane	45.6	39	ug/L

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

- a. This facility is authorized to discharge effluent from Outfall D-001 to Hillsborough Bay (Upper) and Outfalls D-002 and D-003 to Ybor City Drain based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (D-001)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-001)	MGD	Max	96.0	Annual Average	62-600.400(3)(b) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow (D-002)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-002)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Flow (D-003)	MGD	Max	Report	Annual Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	403.086(4)(a)1. FS & 62-600.740(1)(b)2.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	403.086(4)(a)2. FS & 62-600.740(1)(b)2.a. FAC
Solids, Total Suspended	mg/L	Max	6.25	Monthly Average	62-600.740(1)(b)2.b. FAC
Solids, Total Suspended	mg/L	Max	7.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-600.740(1)(b)2.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-600.440(5)(f)3. FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	403.086(4)(a)3. FS & 62-600.740(1)(b)2.a. FAC
Nitrogen, Total	mg/L	Max	3.75	Monthly Average	62-600.740(1)(b)2.b. FAC
Nitrogen, Total	mg/L	Max	4.5	Weekly Average	62-600.740(1)(b)2.c. FAC
Nitrogen, Total	mg/L	Max	6.0	Single Sample	62-600.740(1)(b)2.d. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	403.086(4) FS (Phosphorus waiver)
Phosphorus, Total (as P)	mg/L	Max	Report	Monthly Average	403.086(4) FS
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	403.086(4). FS
pH	s.u.	Min	6.5	Single Sample	62-600.445 & 62-302.530 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 & 62-302.530 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b) FAC
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	62-600.440(2) & 62-302.530 FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	62-302.533 FAC
Enterococci	#/100mL	Max	35	Monthly Geometric Mean	403.0885(2), FS
Enterococci	#/100mL	Max	276	Single Sample	403.0885(2), FS
Copper, Total Recoverable	ug/L	Max	3.7	Single Sample	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	33.0	Annual Average	62-302.530 FAC
Dichlorobromomethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	39.0	Annual Average	62-302.530 FAC
Dibromochloromethane	ug/L	Max	Report	Monthly Average	62-302.530 FAC
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Nitrogen, Total	ton/yr	Max	319.8	Annual Total	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Nitrogen, Total	ton/yr	Max	213.2	5 Year Average	62-650 FAC Final Order Water Quality Based Effluent Limitations for Tampa Bay
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	62-302.530(20) & (61) FAC and 62-4.241(1)(b) FAC

- (1) Effluent limitations are based on a Level I WQBEL developed by District staff and available in the District permit files. Additionally, effluent limitations are based on Rule 62-302, F.A.C.-Class III Marine Standards, Rule 62-600, F.A.C. and 403.086, F.S
- (2) Advanced Wastewater Treatment with high-level disinfection is required by Section 403.086(1)(c), F.S., for discharged effluent from this facility.
- (3) This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.
- (4) The receiving waters (Hillsborough Bay (Upper), WBID 1558E, and Ybor City Drain, WBID 1584A) were considered during the numeric nutrient criteria (NNC) evaluation for this facility.
- (5) Ybor City Drain -WBID 1584A is on the EPA 303D list for Dissolved Oxygen (Nutrients), Fecal Coliform, Biochemical Oxygen Demand (BOD), and Chemical Oxygen Demand (COD). Additionally, WBIDs 1584A is on the FDEP verified impaired list for dissolved oxygen (nutrients) and Fecal Coliform.
- (6) The receiving stream (Hillsborough Bay (Upper), WBID 1558E) is on the EPA 303D list for dissolved oxygen (Nutrients). Additionally, WBID 1558E is on the FDEP verified impaired list for dissolved oxygen and nutrients.
- (7) The permit requires sampling for total nitrogen and total phosphorus, with permit limits that are established by Florida Statute (403.086, F.S.) and Rule 62-600.740, F.A.C. Total nitrogen and total phosphorus concentration limits remain the same as in the previous permit. There is no increase in permitted surface water discharge capacity for this facility, therefore no increase in nutrient loading is anticipated. Phosphorus is not a limiting nutrient for the receiving waters, therefore this facility qualifies for the phosphorus waiver under 403.086, F.S., and the phosphorus concentration limit is listed as report only.
- (8) Total Nitrogen loading limitations are based on the facility allocation in the Final Order Adopting Water Quality Based Effluent Limits (WQBEL) for Point Source Discharges to the Tampa Bay Watershed. The loading limits established by the WQBEL ensure compliance with the numeric nutrient criteria established for Tampa Bay in Rule 62-302.532, F.A.C. In accordance with the WQBEL, the five year average total nitrogen load shall not exceed 213.20 tons/year.
- (9) Tampa Bay is nitrogen-limited, therefore loading allocations in the WQBEL for Tampa Bay were established for Total Nitrogen only. Continued monitoring by the Department and the Tampa Bay Estuary program indicate the attainment of NNC in Tampa Bay.
- (10) This facility is required to conduct chronic toxicity testing for this discharge based on conditions carrying over from the previous permit
- (11) There is a statewide TMDL for mercury. The existing Industrial Pretreatment Plan incorporates the mercury minimization plan requirements of the statewide TMDL for mercury.

(12) The exceedances of Dichlorobromomethane and Dibromochloromethane are currently being addressed through the consent order discussed further below. The facility has requested to revise the existing mixing zones, which has been included as a scheduled item.

b. This facility is authorized to direct reclaimed water to Reuse System R-001 and R-002, a slow-rate public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	6.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	2.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	62-600.440(5)(f)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

This facility is authorized to direct reclaimed water to Reuse System R-003, an industrial reuse system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	4.32	Annual Average	62-600.400(3)(b); 62-610.810(5) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b); 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC

Parameter	Units	Max /Min	Limit	Statistical Basis	Rationale
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	62-610.652 & 62-600.740(1)(b)1.a. FAC
Solids, Total Suspended	mg/L	Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
Solids, Total Suspended	mg/L	Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
Solids, Total Suspended	mg/L	Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal	#/100mL	Max	200	Annual Average	62-610.510 & 62-600.440(4)(c)1. FAC
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	62-600.440(4)(c)2. FAC
Coliform, Fecal	#/100mL	Max	800	Single Sample	62-600.440(4)(c)4. FAC
Chlorine, Total Residual	mg/L	Max	0.5	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	96	Annual Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	3-Month Rolling Average	62-600.400(3)(b) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0020940-015-DW1P and associated revisions FL0020940-016-DW1P, FL0020940-017-DW1P, and FL0020940-018-DW1P expires on November 23, 2015. The following items changed from the current permit:

- The facility requested to adjust the 12 month rolling total and the 5-year average of the yearly totals to 319.8 and 213.2 tons/year, respectively. This is consistent with the nitrogen load allocation for this facility in the Tampa Bay WQBEL.
- The facility requested to remove the Total Recoverable Nickel from the surface water monitoring requirements. The available data was entered into the reasonable assurance verification worksheet and the theoretical maximum sampling result was 56% of the parameter limit, therefore this parameter has been removed from the surface water sampling requirements.

- c) Reporting of ground water monitoring results for Specific Conductance, Dissolved Oxygen and Temperature were removed from the groundwater monitoring plan as these parameters are used to demonstrate sample stability. Therefore, these parameters are not required to be reported on the DMRs, however the field parameters are recorded on sampling field sheets for quality assurance and quality control purposes (QA/QC).
- d) The facility requested to remove three groundwater parameters from the permit monitoring requirements; Total Recoverable Cadmium, Total Recoverable Chromium, and Total Recoverable Lead. Removal of these three parameters was based on the Department evaluation of the data collected for 23 consecutive quarters from 06/01/09 to 12/31/14. The monitoring results for these metals were consistently below the regulatory limits for groundwater, therefore, the data was analyzed through the reasonable assurance verification worksheet (RAV). Based on the results of the RAV and best professional judgement, these parameters were removed from the groundwater monitoring plan.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be land applied, distributed and marketed, transferred to Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the Class A and Class B biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Coliform, Fecal	CFU /g	Max	1,000.0	Single Sample	62-640.600(1)(b) FAC
Coliform, Fecal	CFU/g	Max	2,000,000	Geometric Mean	62-640.600(1)(b) FAC
Temperature	°F	Min	Report	Weekly	40 CFR Part 503
Time	Days	Min	Report	Weekly	40 CFR Part 503
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	62-640.650(1)(b) FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(1)(b) FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.650(1)(b) & 700(1), FAC
Monitoring Frequency	All Parameters				62-640.650(3)(a)4. FAC
Pathogen and vector attraction reduction monitoring	All Parameters				62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the Class AA biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	41.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	39.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	1500.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	300.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	17.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.700(5)(a) & 650(3)(a)3. FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	2800.0	Monthly Average	62-640.700(5)(b) & 650(3)(a)3. FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Monthly Average	62-640.650(3)(a)3. FAC
Coliform, Fecal	MPN/g	Max	1000.0	Single Sample	62-640.600(1)(a) FAC
Salmonella Sludge	MPN/4g	Max	3.0	Single Sample	62-640.600(1)(a) FAC
Monitoring Frequency	All Parameters				62-640.650(3)(a)4. & .850(4)(c) FAC
Pathogen and vector attraction reduction monitoring	All Parameters				62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Distributed & Marketed in FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Distributed & Marketed outside FL)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. & 850(4)(a) FAC
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C.

7. PERMIT SCHEDULES

Permit renewal information is contained in the permit schedule. A permit revision requirement is in the permit schedule for the dibromochloromethane mixing zone once the mixing zone plan of study is complete and approved by the Department.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This facility has entered into CO-14-0156, executed 06/12/2014, with the Department, which includes a schedule of compliance. The Consent Order addresses the exceedances of Dibromochloromethane (Chlorodibromomethane). The current permit limitation based on the existing mixing zone is an annual average of 39 ug/L. The Consent Order Interim Limit is 60 ug/L, annual average, for a period of twenty-four months. The Consent Order requires a mixing zone plan of study to assess the availability of mixing in the receiving waters to allow for adjustment of the permitted mixing zone size and effluent limitations.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 14. Copies will be provided at a minimal charge per page.

12. CHANGES FROM THE NOTICE OF DRAFT (NOD) TO FINAL PERMIT

On November 17, 2015, the Department received Minor typographical edits from the permittee. Edits were made accordingly.

The Department received comments from EPA on the Notice of Draft permit on October 30, November 16 and 17, 2015. All the comments were addressing on November 12, 13, 16 and 17, 2015. EPA concurred with the Department on November 17, 2015. All the correspondences are available for review or inspection on OCULUS.

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	October 8, 2015
Public Comment Period	Beginning: October 8, 2015 Ending: November 17, 2015
Notice of Permit Issuance	November 2015

14. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Astrid Flores Thiebaud
Engineer IV
Southwest District Office
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926
Telephone No.: (813) 470-5760



Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

PATHOGEN MONITORING

Part I - Instructions

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility. If a schedule for sampling or re-sampling is not included in the permit, the following schedule shall apply:
 - a. Routine Sampling:

If sampling is required once every two years, this report shall be submitted on or before November 28 of each even numbered year (2006, 2008, 2010, etc.).

If sampling is required once every five years, this report shall be submitted with the application for permit renewal.

If sampling is required quarterly, this report shall be submitted on or before February 28, May 28, August 28, and November 28 of each year.
 - b. Subsequent Re-Sampling:

If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.
2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:
 - a. The appropriate DEP district office (attention Domestic Wastewater Program). Addresses for the DEP district offices are available at www.dep.state.fl.us/secretary/dist/default.htm.
 - b. DEP Water Reuse Coordinator
Mail Station 3540
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
3. Please type or print legibly.
4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.
5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).

6. For each sample, record the sample volume obtained in liters.
7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.
8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

- a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.
 - b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.
9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.
 10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at www.dep.state.fl.us/labs/cgi-bin/aams/index.asp
 11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).
 12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.
 13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.
 14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen

samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

Part II - General Information

1. DEP wastewater facility identification number: **FL0020940**

Wastewater facility name: Howard F Curren AWTP

Permittee name: City of Tampa - Department of Sanitary Sewers

2. Person completing this form:

Name: _____

Telephone: (_____) _____

Email address: _____

3. Sampling and analysis:

Date samples were taken: _____

Organization collecting the samples: _____

Was the sample dechlorinated in the field? ☐ Yes ☐ No

Was the sample refrigerated or kept on ice during shipment to the laboratory? ☐ Yes ☐ No

Date samples delivered to laboratory: _____

Date analytical work was done: _____

Laboratory doing the analysis: _____

Laboratory's DOH Identification Number: _____

Approved method used:

☐ EPA Method 1623

☐ Other approved method: _____

Contact person at the laboratory: _____

Email address of the lab contact person: _____

4. Is this the first time that this form has been submitted for the facility?

☐ Yes [Please complete Questions 7 through 16.]

☐ No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

☐ No [Proceed to Question 6.]

☐ Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

☐ Yes [Please complete Questions 7 through 16.]

☐ No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

☐ Conventional activated sludge

☐ Extended aeration

☐ Contact stabilization

☐ Biological nutrient removal (such as Bardenpho)

☐ Other: _____

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)? ☐ Yes ☐ No

9. Filter type:

☐ Deep bed, single media

☐ Deep bed, multiple media

☐ Shallow bed, automatic backwash

☐ Upflow (including Dynasand)

☐ Slow rate sand filter

☐ Diatomaceous earth filter

☐ Fabric filter

☐ Cartridge filter

☐ Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)

☐ Other: _____

10. Filter Media (complete for each type of media provided):

Top layer of media:

Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

Middle layer of media: Media type: _____
Effective size: _____ mm
Uniformity coefficient: _____
Bed depth: _____ inches

Bottom layer of media: Media type: _____
Effective size: _____ mm
Uniformity coefficient: _____
Bed depth: _____ inches

11. Filter backwash water:

- ☐ Backwash water is returned to the headworks of the treatment plant.
- ☐ Backwash water is returned to the aeration basin.
- ☐ Other. Please describe: _____

12. Disinfection system:

- ☐ Chlorination, gas ☐ Hypochlorite
- ☐ Chlorine dioxide ☐ Chlorination, other _____
- ☐ Ultraviolet ☐ Ozone
- ☐ Other: _____

13. Is chlorine added before the filters? ☐ No ☐ Yes Dose: _____ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

- ☐ No
- ☐ Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: _____ Dose: _____ mg/L

Chemical 2 - Name: _____ Dose: _____ mg/L

Chemical 3 - Name: _____ Dose: _____ mg/L

15. Wastewater treatment plant permitted capacity: _____ MGD

16. Wastewater flow being treated at the time samples were collected: _____ MGD

PART III - PATHOGEN MONITORING REPORT

FACILITY ID: FL0020940

FACILITY NAME: Howard F Curren AWTP

FACILITY ADDRESS: 2700 Maritime Blvd, Tampa, FL 33605-6744

PERMITTEE NAME: City of Tampa - Department of Sanitary Sewers

MAILING ADDRESS: 2545 Guy N. Verger Boulevard, Tampa, Florida 33605

DATE OF SAMPLING: _____

Parameter	Quantity or Loading		Quality or Concentration	
	Sample Measurement	Units	Sample Measurement	Units
Treatment Plant: After Filter Monitoring Site No.				
Turbidity PARM Code 00070				NTU
TSS PARM Code 00530				mg/L
Treatment Plant: After Disinfection Monitoring Site No.				
Total Chlorine Residual PARM Code 50060				mg/L
Volume Collected PARM Code 71994		Liters		
<i>Giardia</i> , total count * PARM Code GIARD				total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR				potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT				total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP				potentially viable oocysts/100 L
Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection Monitoring Site No.				
TSS PARM Code 00530				mg/L
Total Chlorine Residual PARM Code 50060				mg/L
Volume Collected PARM Code 71994		Liters		
<i>Giardia</i> (total count) * PARM Code GIARD				total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR				potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT				total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP				potentially viable oocysts/100 L

* Data entries must be made for both total and potentially viable cysts and oocysts.

PART IV - CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Name/Title of Principle Executive Officer or Authorized Agent (Type or Print)	Signature of Principle Executive Officer or Authorized Agent	Telephone No.	Date (YY/MM/DD)
Email Address			